

Note: Curlyleaf pondweed and zebra mussels are present in Pickerel Lake. Care should be taken by all user groups to prevent their spread. For more information regarding aquatic invasive species please visit <https://sdleastwanted.sd.gov/>

Pickerel Survey Summary

Pickerel Lake, located 6.0 miles northeast of Grenville, is managed as a multi-species fishery including panfish (i.e., black crappie, bluegill, and yellow perch), smallmouth bass and walleye; other fish species (e.g., northern pike, white bass, etc.) also contribute to the fishery.

- **Black crappie.** Black crappies were not abundant (0.5 per frame net) in 2023; nine individuals that ranged in length from 9.8 to 13.0 inches were sampled.
- **Bluegill.** More bluegills were sampled in 2023 than in 2022. At 9.7 per frame net, relative abundance was considered moderate for Pickerel Lake. Sampled bluegills ranged in length from 3.5 to 8.7 inches, 10% were ≥ 6.0 inches and 1% were ≥ 8.0 inches. Four consecutive year classes (2018 – 2021) contributed to the catch. Individuals from the 2021 (age-2) cohort, which had a mean length at capture of 4.3 inches, were the most abundant accounting for 90% fish in the sample.
- **Northern pike.** Northern pike numbers were slightly higher in 2023 than in 2022. At 1.1 per gill net, relative abundance was considered moderate. Sampled northern pike ranged in length from 19.7 to 35.4 inches, 92% were ≥ 21.0 inches and 15% were ≥ 28.0 inches.
- **Smallmouth bass.** Spring electrofishing for smallmouth bass was not completed in 2023.
- **Walleye.** Walleye numbers were lower in 2023 than in 2022. At 2.5 per gill net, relative abundance was considered low. Gill net captured walleyes ranged in length from 12.2 to 26.0 inches, 87% were ≥ 15.0 inches and 17% were ≥ 20.0 inches. Ten year classes (2010, 2011, 2013, 2014, 2015, and 2017 – 2021), each represented by 7 or fewer individuals, contributed to the catch. Since 2014, the mean length at capture of age-4 fish has ranged from 14.4 to 17.4 inches. In 2023, the mean length at capture of age-4 fish was 15.8 inches.
- **Yellow perch.** The 2023 mean gill net CPUE of 1.3 was the second lowest recorded from 2014 – 2023 and suggested low relative abundance. Yellow perch from 5.1 to 7.5 inches representing three consecutive cohorts (2019 – 2021) contributed to the catch. Yellow perch growth tends to be slow to moderate at Pickerel Lake. Since 2014, mean length at capture values of age-3 yellow perch have ranged from 6.1 to 8.8 inches. In 2023, the mean length of age-3 fish was 6.9 inches.

For more detailed results see the computer-generated South Dakota Statewide Fisheries Survey for Pickerel Lake (below).

SOUTH DAKOTA STATEWIDE FISHERIES SURVEY

Pickerel, Day County

UBS-Lake-358-000

2023

Lake Information

Name:	Pickerel	Maximum Depth:	41 Feet
County:	Day	Mean Depth:	16 Feet
		OHWM Elevation:	1,846
Surface Area:	989 Acres	Outlet Elevation:	1,845

Surveys and Investigations

Survey methods used by gear type, date, and effort.

Gear	Date	Effort
AFS std gill net	Jun 20, 2023	4 net-nights
AFS std gill net	Jun 21, 2023	4 net-nights
AFS std gill net	Jun 22, 2023	4 net-nights
fall night EF-WAE	Sep 25, 2023	3000 seconds
frame net (std 3/4 in)	Jun 20, 2023	6 net-nights
frame net (std 3/4 in)	Jun 21, 2023	6 net-nights
frame net (std 3/4 in)	Jun 22, 2023	6 net-nights

Common Fish Species Present

Northern Pike

Bluegill

Black Crappie

Walleye

Smallmouth Bass

Yellow Perch

Rock Bass

White Bass

Black Bullhead

White Sucker

Terminology

Catch per unit effort (**CPUE**) refers to the relative abundance of a species. It is defined as the number of fish captured per unit of effort (i.e., number of fish captured per net-night or number of fish captured per hour electrofishing). In this report CPUE is typically given for only stock-length fish (see length categories table for stock lengths).

A statewide effort to help make netting efforts comparable to all waters sampled across the state, occurred in 2017, with a switch to American Fisheries Society gill nets. Past gill netting efforts were completed with different style/types of nets and are not comparable side by side.

- **AFS std gill net** – 80 ft experimental gill net containing eight panels (10 ft each) of varying monofilament meshes of 0.75, 1.00, 1.25, 1.50, 1.75, 2.00, 2.25 and 2.50 inches.
- **std experimental gill net for non-Missouri River waters** - 150 ft experimental gill net containing six panels (25 ft each) of varying monofilament meshes of 0.5, 0.75, 1.00, 1.25, 1.50 and 2.00 inches.
- **std experimental gill net for Missouri River reservoirs** – 300 ft experimental gill net containing six panels (50 ft each) of varying multifilament meshes of 0.5, 0.75, 1.00, 1.25, 1.50 and 2.00 inches.

$$CPUE = \frac{\text{number of fish}}{\text{effort}}$$

Population size structure is quantified using the indices proportional size distribution of quality-length fish (**PSD**) and proportional size distribution of preferred-length fish (**PSD-P**). These indices indicate the proportion of stock-length fish that are equal to or greater than a given length. Minimum lengths for stock, quality and preferred length fish are given in the length categories table.

$$PSD = \left(\frac{\text{number of fish} \geq \text{quality length}}{\text{number of fish} \geq \text{stock length}} \right) \times 100$$

$$PSD - P = \left(\frac{\text{number of fish} \geq \text{preferred length}}{\text{number of fish} \geq \text{stock length}} \right) \times 100$$

Relative weight (**Wr**) is used to quantify fish plumpness. Relative weight is the ratio of what a fish weighs (**W**) compared to a length-specific standard weight (**Ws**) multiplied by 100. Relative weight values of 95-105 are commonly cited as optimum values, but values in the 80s are common during summer sampling in South Dakota.

$$Wr = \left(\frac{W}{Ws} \right) \times 100$$

Confidence intervals (CI) are provided for many of the estimates calculated in this report. The confidence interval provides a range in which the true mean is expected to fall. For example, with an 80% CI we are 80% confident that the interval contains the true value.

Length categories include stock (S), quality (Q), preferred (P), memorable (M) and trophy (T). Length categories for most species have been defined based on a percentage of the world record length for that species. Some species mentioned in this report do not have defined length categories. Length categories for species used in this report are provided in the following table. Measurements are the minimum total length for each category and are reported in inches (in) and centimeters (cm).

Species Name	Stock		Quality		Preferred		Memorable		Trophy	
	(in)	(cm)	(in)	(cm)	(in)	(cm)	(in)	(cm)	(in)	(cm)
Black Bullhead	6	15	9	23	12	30	15	38	18	46
Black Crappie	5	13	8	20	10	25	12	30	15	38
Bluegill	3	8	6	15	8	20	10	25	12	30
Brown Trout	8	20	12	30	16	40	20	50	18	46
Channel Catfish	11	28	16	41	24	61	28	71	36	91
Freshwater Drum	8	20	12	30	15	38	20	51	25	63
Lake Trout	12	30	20	50	26	65	31	80	39	100
Largemouth Bass	8	20	12	30	15	38	20	51	25	63
Muskellunge	20	51	30	76	38	97	42	107	50	127
Northern Pike	14	35	21	53	28	71	34	86	44	112
Pumpkinseed	3	8	6	15	8	20	10	25	12	30
Rainbow Trout	10	25	16	40	20	50	26	65	31	80
Rudd	6	15	10	25	12	30	15	38	19	48
Sauger	8	20	12	30	15	38	20	51	25	63
Smallmouth Bass	7	18	11	28	14	35	17	43	20	51
Walleye	10	25	15	38	20	51	25	63	30	76
White Bass	6	15	9	23	12	30	15	38	18	46
White Crappie	5	13	8	20	10	25	12	30	15	38
Yellow Bullhead	4	10	7	18	9	23	11	28	14	36
Yellow Perch	5	13	8	20	10	25	12	30	15	38

Catch Summary of Stock Length Fish

Catch per unit effort (CPUE), proportional size distribution (PSD), proportional size distribution of preferred length fish (PSD-P), and relative weight (Wr) for species sampled in survey with 80% confidence interval (CI-80).

* **Methods/Species that ignore stock length**

Gear	Species	Sample Size (n)	Abundance		Stock Density Indices			Condition		
			CPUE	CI-80	PSD	CI-80	PSD-P	CI-80	Wr	CI-80
AFS std gill net	Black Crappie	3	0.3	0.2	100		67		103	6
	Bluegill	9	0.8	0.4	89		67		121	2
	Common Carp	1	0.1	0.1	100		100		89	
	Northern Pike	13	1.1	0.5	92		15		83	2
	Rock Bass	5	0.3	0.3	75		25		106	5
	Smallmouth Bass	39	3.3	1.2	92		67	11	97	1
	Walleye	30	2.5	0.8	87		17	11	83	1
	White Bass	32	2.7	1.2	100		100		86	1
	White Sucker	9	0.8	0.4	100		100		101	3
	Yellow Perch	16	1.3	1.2	0		0		93	3
frame net (std 3/4 in)	Black Bullhead	77	4.3	3.0	100		90	5	94	1
	Black Crappie	9	0.5	0.2	100		100		95	3
	Bluegill	175	9.7	4.8	10	3	1		110	1
	Largemouth Bass	1	0.0	0.0	0		0			
	Northern Pike	26	1.4	0.4	72	14	12		79	2
	Rock Bass	127	6.9	2.0	59	6	8	4	101	1
	Smallmouth Bass	75	4.1	0.7	72	8	41	8	94	1
	Walleye	37	2.1	0.6	92		32	12	83	1
	White Bass	80	4.4	3.3	100		100		84	1
	White Sucker	1	0.1	0.1	100		100		91	
Yellow Perch	4	0.2	0.1	67		0		81	4	

10-Year Catch Per Unit Effort by Gear and Species

Catch per unit effort (CPUE) and average (Avg) of species across 10 years using different gear types.

*SDGFP standard gill nets used 2014 – 2015; average calculated for data from 2016 – 2023; **Methods/Species that ignore stock length; ***AFS frame nets used 2017

Gear	Species	CPUE										Avg
		2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	
AFS std gill net*	Black Bullhead	0.2	3.2	0.1	1.3	0.0	0.2	0.2	0.8	0.1	0.0	0.34
	Black Crappie	7.2	2.5	0.2	0.2	0.9	0.6	0.9	4.6	0.6	0.3	1.04
	Bluegill	0.0	0.0	0.2	0.1	1.3	2.1	1.9	0.8	0.3	0.8	0.94
	Common Carp	0.2	0.3	0.1	0.2	0.4	0.2	0.3	0.0	0.3	0.1	0.20
	Northern Pike	3.0	3.3	0.5	1.3	1.5	2.5	3.0	2.9	0.6	1.1	1.68
	Rock Bass	0.0	0.0	0.0	0.1	0.5	0.2	1.1	0.1	0.5	0.3	0.35
	Smallmouth Bass	2.2	1.7	2.1	1.4	2.0	1.3	2.3	2.7	1.4	3.3	2.06
	Walleye	12.3	18.5	2.3	2.5	4.3	5.2	6.2	5.3	3.8	2.5	4.01
	White Bass	3.0	4.0	2.9	1.9	1.5	1.8	5.4	1.9	3.9	2.7	2.75
	White Sucker	1.5	1.7	1.1	1.7	1.8	1.6	0.8	1.5	0.9	0.8	1.28
Yellow Perch	23.2	27.8	8.9	5.0	21.8	16.1	21.8	4.6	0.3	1.3	9.98	
boat shocker	Smallmouth Bass		110.0			6.0	59.0			24.9		50.00
fall night EF-WAE**	Walleye	10.0	44.4	0.0	28.0	76.0			42.0	20.0	0.0	27.55
frame net (std 3/4 in)***	Black Bullhead	10.1	10.9		1.3		6.6	1.7	0.2	7.3	4.3	5.30
	Black Crappie	1.0	0.9		0.1		0.7	0.5	0.4	0.3	0.5	0.55
	Bluegill	0.6	0.4		11.6		24.5	20.3	3.0	1.5	9.7	8.95
	Common Carp	0.0	0.1		0.0		0.1	0.0	0.0	0.0	0.0	0.03
	Northern Pike	0.2	0.5		0.2		0.4	0.3	0.7	1.0	1.4	0.59
	Rock Bass	6.0	8.5		1.2		3.4	3.3	7.7	2.5	6.9	4.94
	Smallmouth Bass	2.3	2.3		0.9		2.6	2.7	2.9	1.3	4.1	2.39
	Walleye	0.6	0.3		0.2		0.2	0.2	0.3	0.4	2.1	0.54
	White Bass	0.1	0.2		0.2		0.6	0.3	0.1	0.1	4.4	0.75
	White Sucker	0.2	0.2		0.1		0.1	0.1	0.1	0.0	0.1	0.11
Yellow Perch	0.2	0.1		0.3		0.6	2.9	0.9	0.9	0.2	0.76	

10-Year Size Structure and Condition Statistics by Gear and Species

Species proportional size distribution (PSD), proportional size distribution of preferred length fish (PSD-P), and relative weight (Wr) collected by different gear types across 10 years.

*SDGFP standard gill nets used 2014 – 2015; **AFS frame nets used 2017

Gear	Species	Index	Year									
			2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
AFS std gill net*	Northern Pike	PSD	56	40	67	67	83	87	58	60	86	92
		PSD-P	17	5	33	0	11	3	6	0	43	15
		Wr	80	80	78	89	86	85	89	82	81	83
	Walleye	PSD	16	52	57	60	71	74	53	36	59	87
		PSD-P	1	1	7	3	10	18	16	11	7	17
		Wr	86	87	83	88	85	88	90	85	89	83
	Yellow Perch	PSD	86	79	98	60	48	32	21	33	0	0
		PSD-P	12	40	52	33	11	4	1	4	0	0
		Wr	108	110	109	101	100	103	104	97	99	93
frame net (std 3/4 in)**	Bluegill	PSD	82	71		2		92	94	74	28	10
		PSD-P	73	43		0		15	44	20	20	1
		Wr	118	129		123		120	120	120	122	110

Length at Capture

Mean length at capture by age across years sampled, sample size (N).

Species: Bluegill

Mean Length (expanded sample number) at capture by age											
Year	N	1	2	3	4	5	6	7	8	9	10+
2023	174		108 (157)	164 (15)	175 (2)	226 (1)					
2022	25		99 (18)	185 (2)	219 (4)		254 (1)				
2020	365		120 (20)	173 (175)	210 (149)	231 (21)					
2019	441		97 (21)	175 (355)	212 (65)						

Species: Walleye

Mean Length (expanded sample number) at capture by age											
Year	N	1	2	3	4	5	6	7	8	9	10+
2023	30		319 (3)	387 (1)	402 (3)	427 (7)	460 (6)		530 (4)	579 (2)	492 (4)
2022	47	211 (1)	310 (1)	345 (6)	389 (31)	393 (1)		459 (1)	587 (1)	473 (3)	528 (2)
2021	64		286 (3)	335 (37)	406 (9)	418 (1)	486 (6)	530 (2)			568 (6)
2020	77		275 (28)	371 (17)	418 (5)	480 (6)	481 (5)	536 (6)		511 (4)	578 (6)
2019	62		295 (14)	378 (2)	419 (21)	459 (4)	502 (9)		490 (3)	502 (5)	571 (4)
2018	52	180 (1)	311 (3)	367 (16)	443 (1)	460 (15)	474 (2)	457 (5)	463 (7)		677 (2)
2017	30		325 (10)	376 (3)	420 (9)		478 (3)	450 (4)	414 (1)		
2016	32	197 (4)	296 (1)	356 (10)	372 (1)	420 (9)	422 (6)				645 (1)
2015	114	186 (3)	298 (28)	373 (25)	388 (37)	410 (19)		604 (1)	427 (1)		
2014	75	184 (1)	307 (5)	351 (41)	367 (23)	463 (1)	416 (1)	406 (1)	443 (1)		556 (1)

Species: Yellow Perch

Year	N	Mean Length (expanded sample number) at capture by age										
		1	2	3	4	5	6	7	8	9	10+	
2023	16		147 (9)	175 (5)	189 (2)							
2022	3			154 (3)								
2021	55		137 (4)	167 (28)	199 (12)	223 (9)	219 (3)					
2020	263		142 (107)	170 (87)	210 (52)	231 (17)						
2019	195		142 (62)	194 (100)	233 (30)	243 (2)		302 (1)				
2018	263		153 (122)	216 (108)	249 (10)	266 (8)	280 (2)	273 (10)	310 (3)	274 (1)		
2017	60		171 (25)	223 (11)	257 (12)	266 (2)	266 (4)	286 (3)	290 (3)			
2016	107		164 (1)	209 (10)	237 (18)	247 (26)	258 (26)	272 (24)	294 (1)			
2015	168	100 (1)	157 (16)	196 (24)	238 (50)	255 (46)	260 (23)	249 (4)				
2014	139		146 (6)	202 (27)	229 (67)	240 (38)	234 (3)					

Fish Condition

Mean relative weight (Wr) by sample size (N), length category stock to quality (S-Q), quality to preferred (Q-P), preferred to memorable (P-M), and memorable (M) for species collected across survey years with standard error (SE).

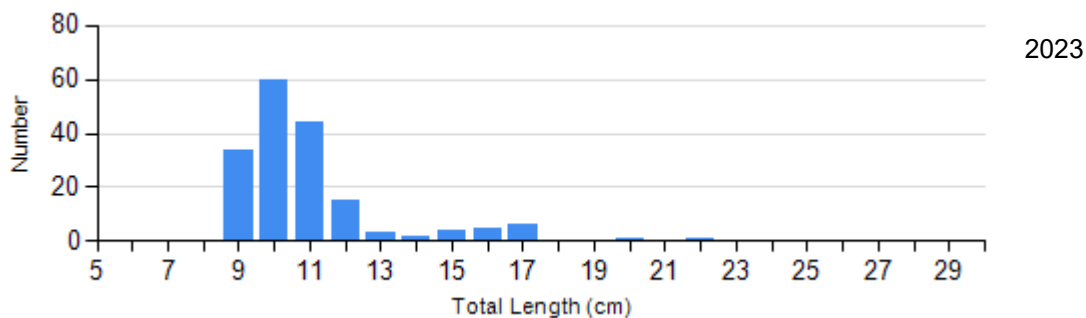
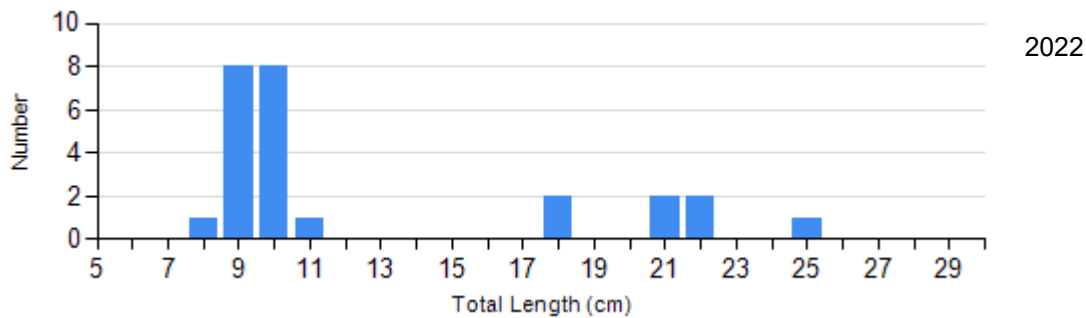
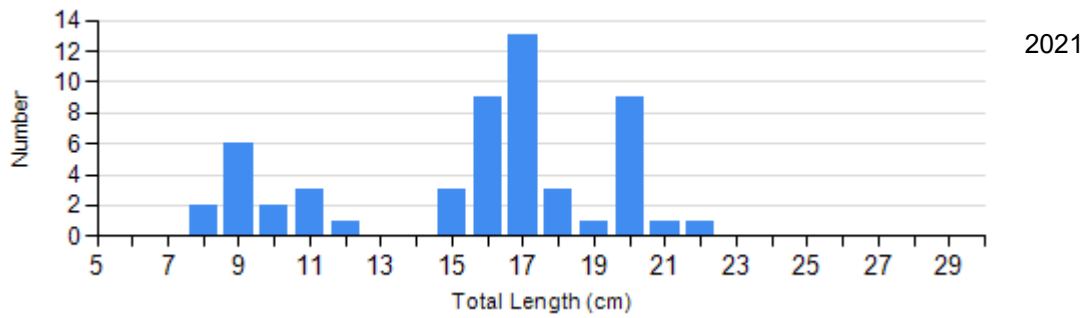
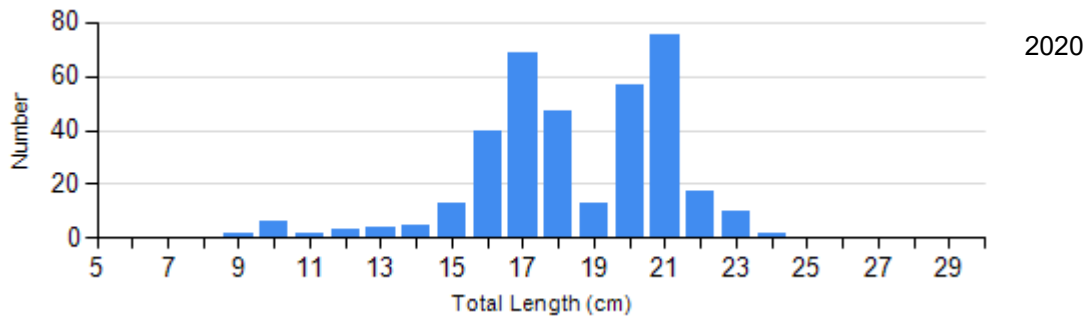
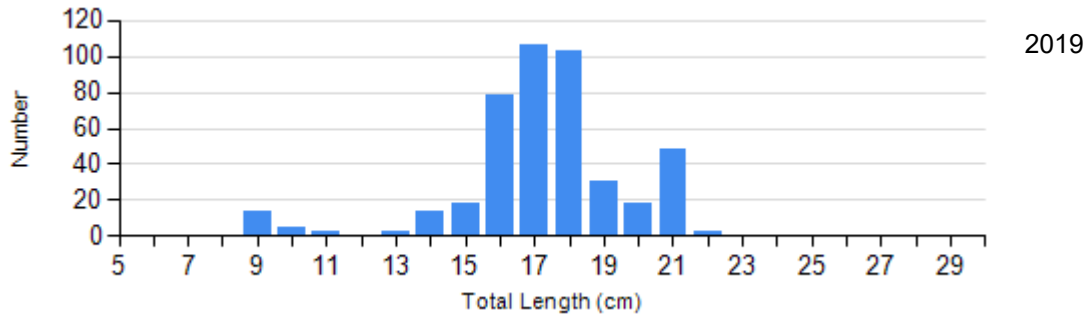
Species	Year	Length Groups							
		S-Q		Q-P		P-M		M	
		N	Wr (SE)	N	Wr (SE)	N	Wr (SE)	N	Wr (SE)
Bluegill Frame Net	2019	37	105 (1.8)	336	122 (0.7)	68	122 (1.3)	0	
	2020	22	113 (3.2)	182	121 (0.6)	161	120 (0.6)	0	
	2021	14	122 (3.0)	29	121 (1.0)	11	117 (1.8)	0	
	2022	18	123 (2.7)	2	121 (2.9)	4	122 (3.3)	1	106
	2023	158	109 (0.8)	15	113 (2.2)	2	124	0	
Northern Pike Gill Net	2019	4	88 (1.7)	25	84 (1.0)	1	102	0	
	2020	15	92 (1.5)	19	87 (1.0)	1	94	1	85
	2021	14	84 (1.4)	21	81 (1.1)	0		0	
	2022	1	80	3	83 (2.0)	3	79 (3.2)	0	
	2023	1	92	10	82 (1.9)	1	79	1	84
Walleye Gill Net	2019	16	87 (1.2)	35	88 (1.0)	9	90 (1.2)	2	93 (4.7)
	2020	35	88 (0.8)	27	91 (0.8)	10	93 (2.0)	2	88 (3.9)
	2021	41	85 (0.6)	16	86 (1.3)	6	82 (2.2)	1	75
	2022	19	98 (10.8)	24	83 (0.6)	3	86 (2.8)	0	
	2023	4	88 (3.0)	21	83 (1.0)	4	79 (2.2)	1	87
Yellow Perch Gill Net	2019	132	106 (2.2)	54	98 (0.9)	6	91 (2.1)	1	95
	2020	206	105 (0.5)	54	100 (0.9)	2	92 (3.0)	0	
	2021	37	100 (1.2)	16	94 (2.0)	2	85 (5.4)	0	
	2022	3	99 (3.7)	0		0		0	
	2023	16	93 (2.1)	0		0		0	

Length Frequency Distribution

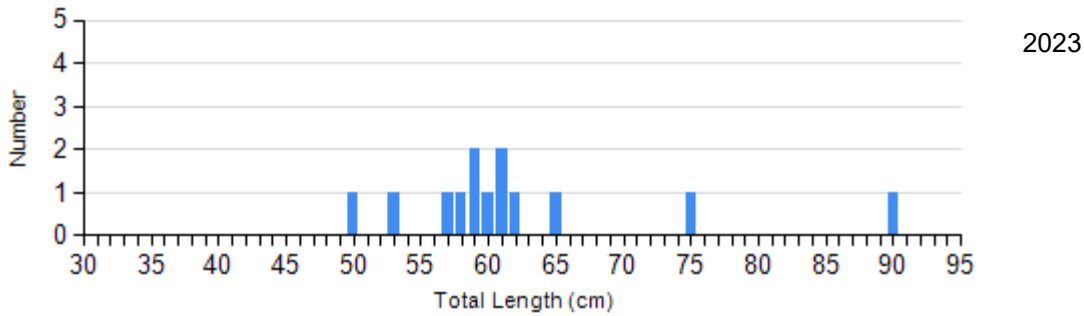
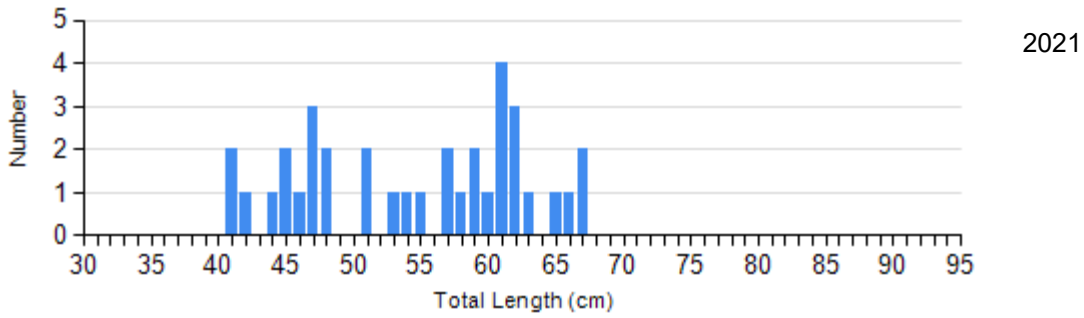
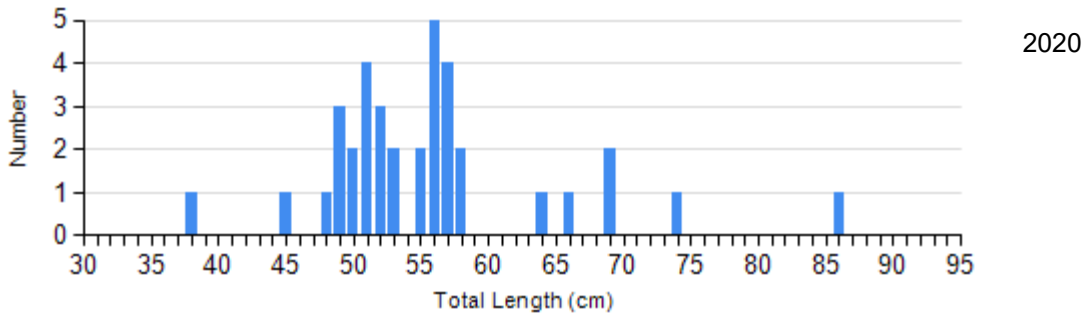
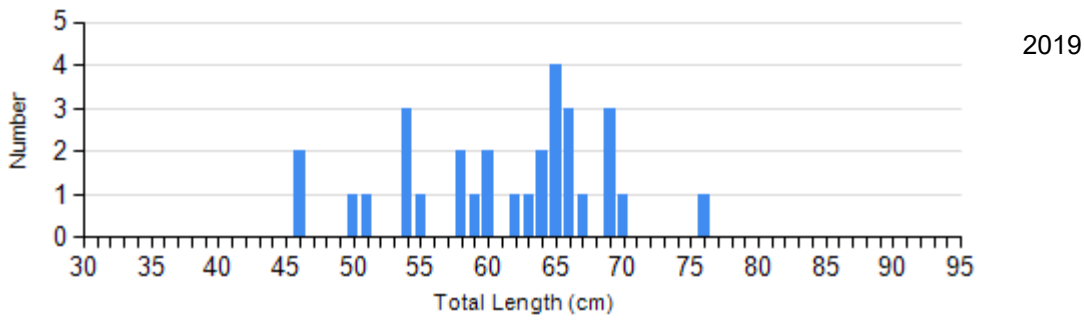
Length frequency histogram of species sampled by year.

Species: Bluegill

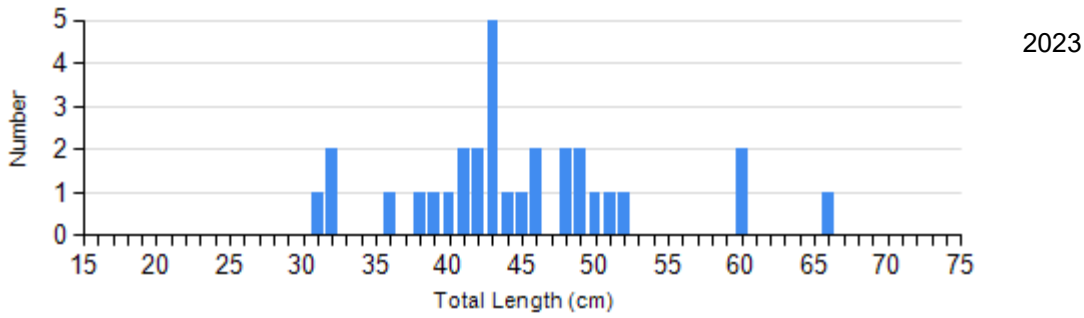
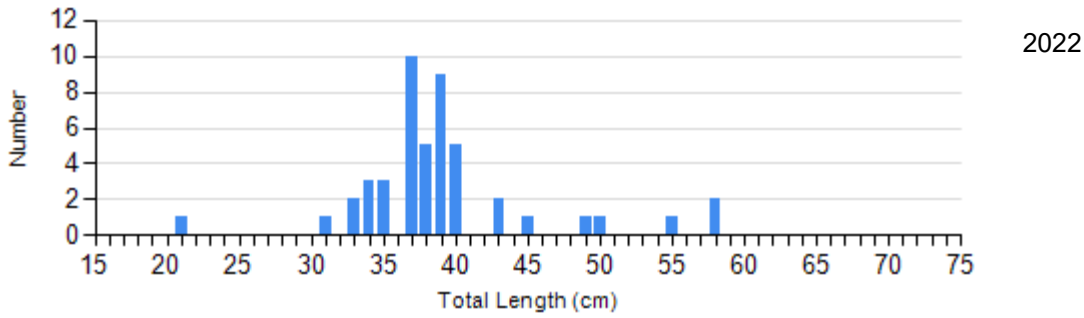
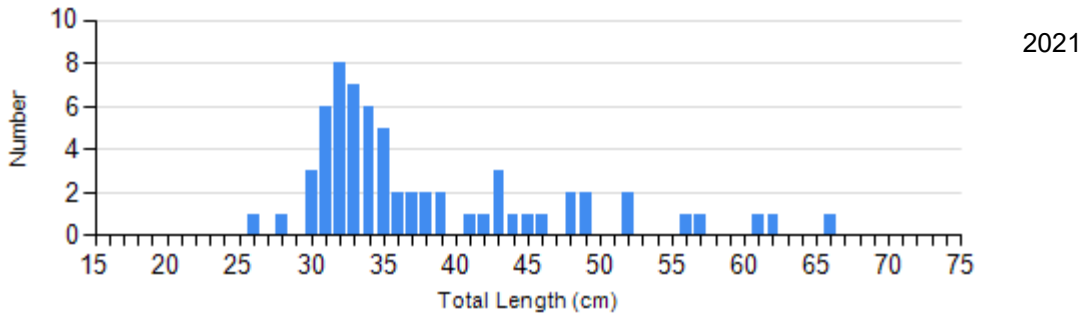
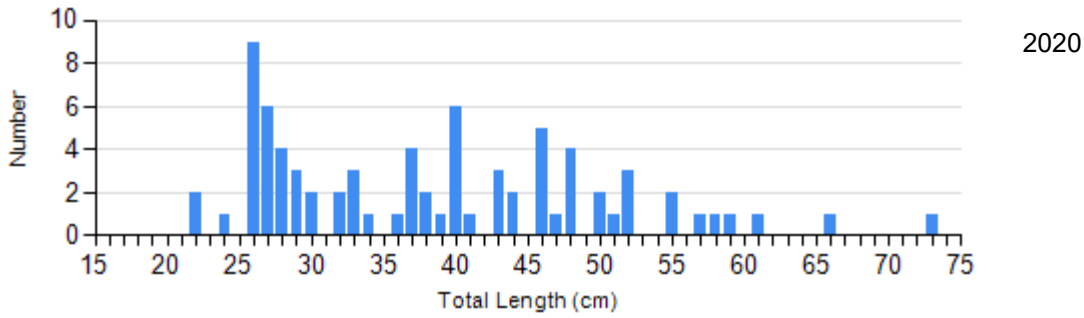
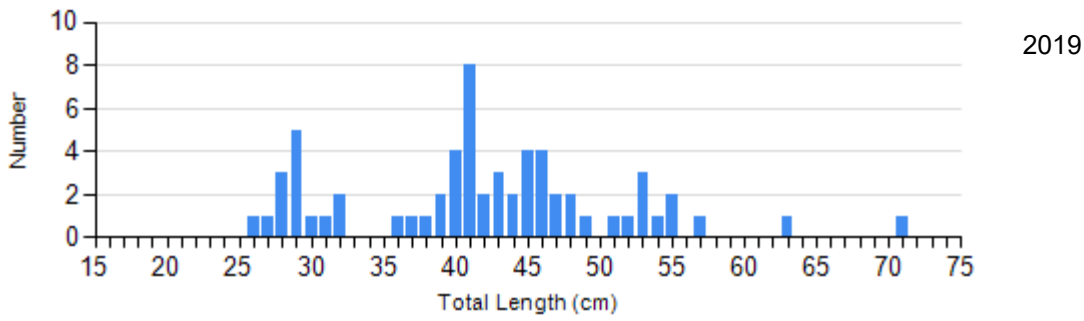
Gear: frame net (std 3/4 in)



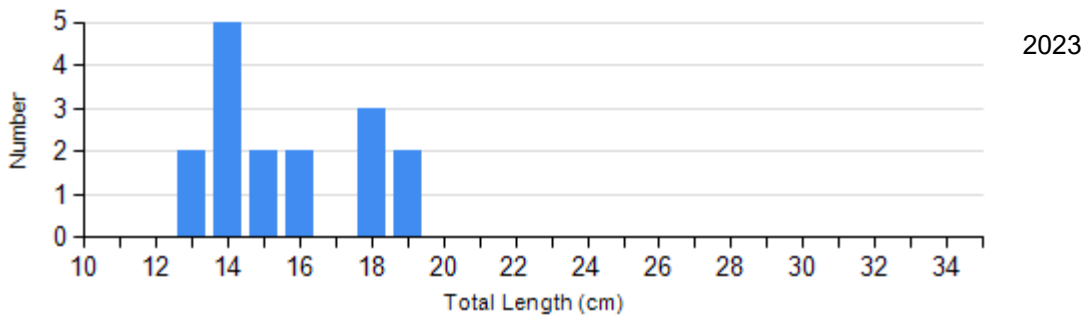
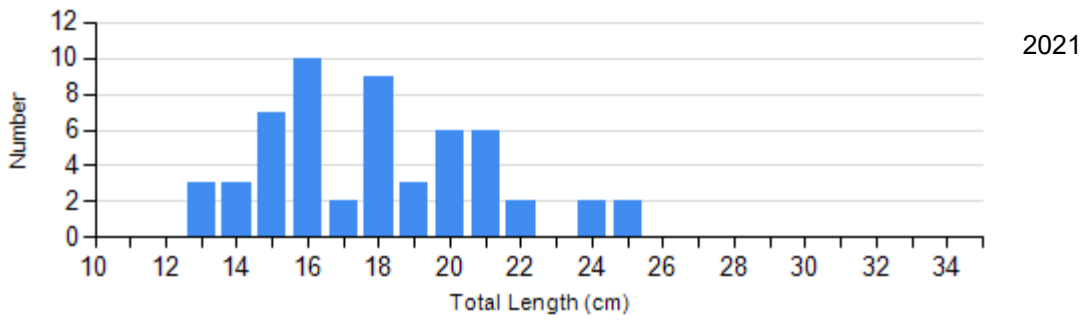
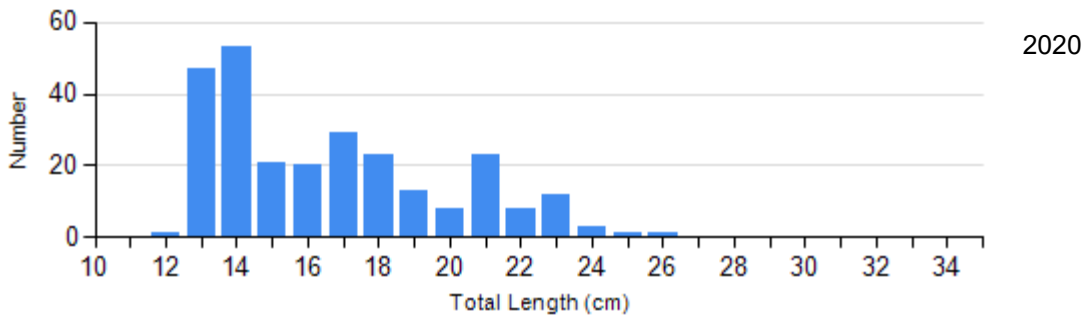
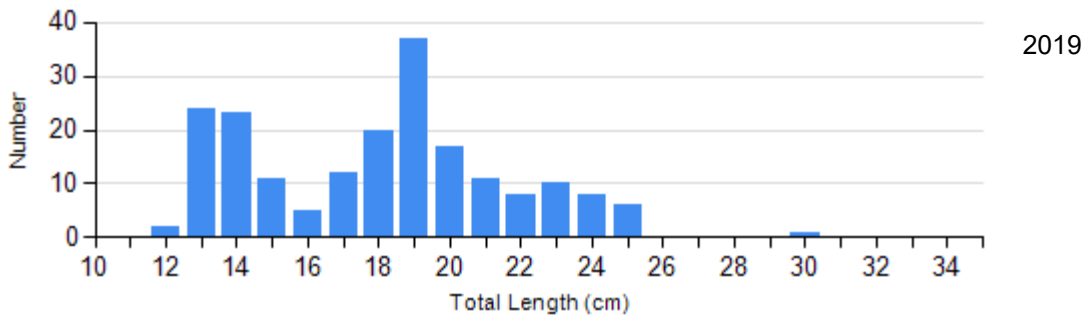
Species: Northern Pike
Gear: AFS std gill net



Species: Walleye
Gear: AFS std gill net



Species: Yellow Perch
Gear: AFS std gill net

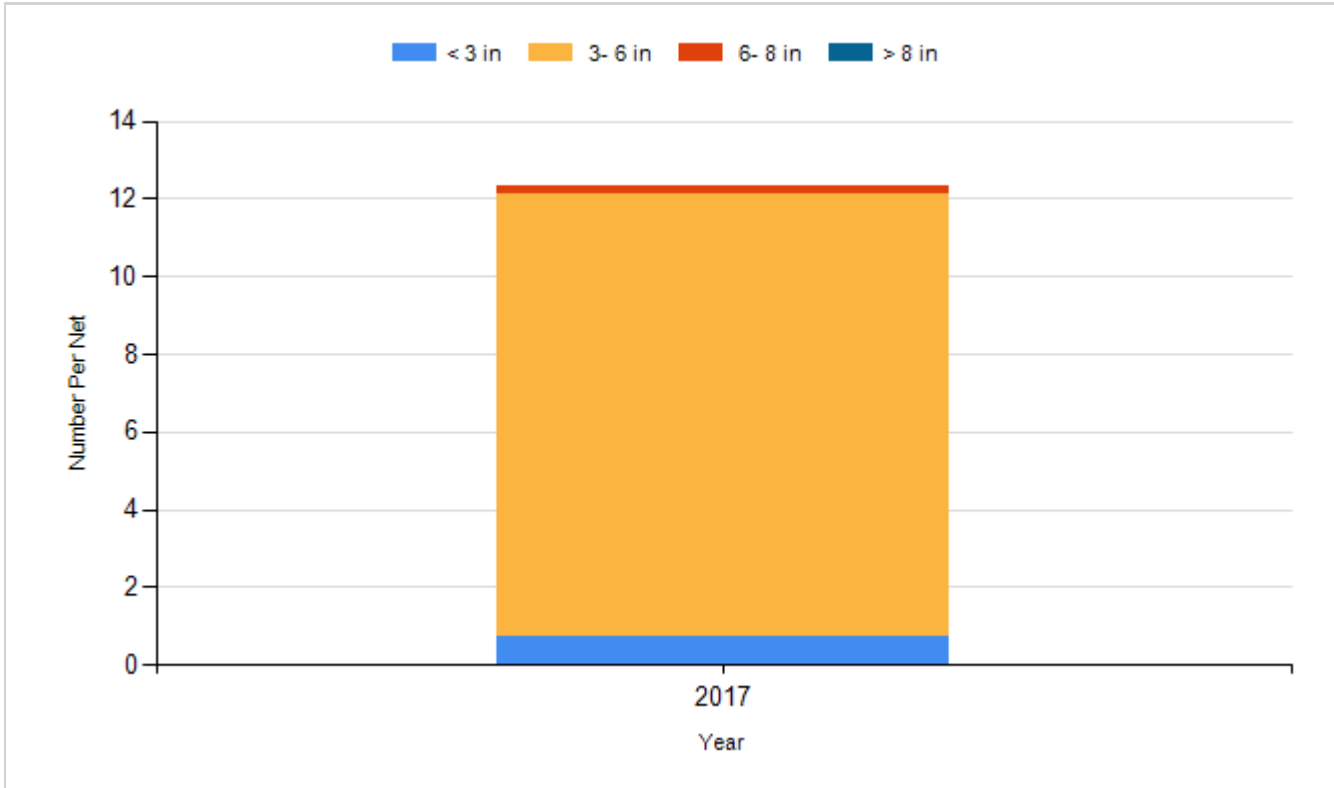


Historic Fish Sizes and Relative Abundance

Size distribution per net by color for species sampled by year.

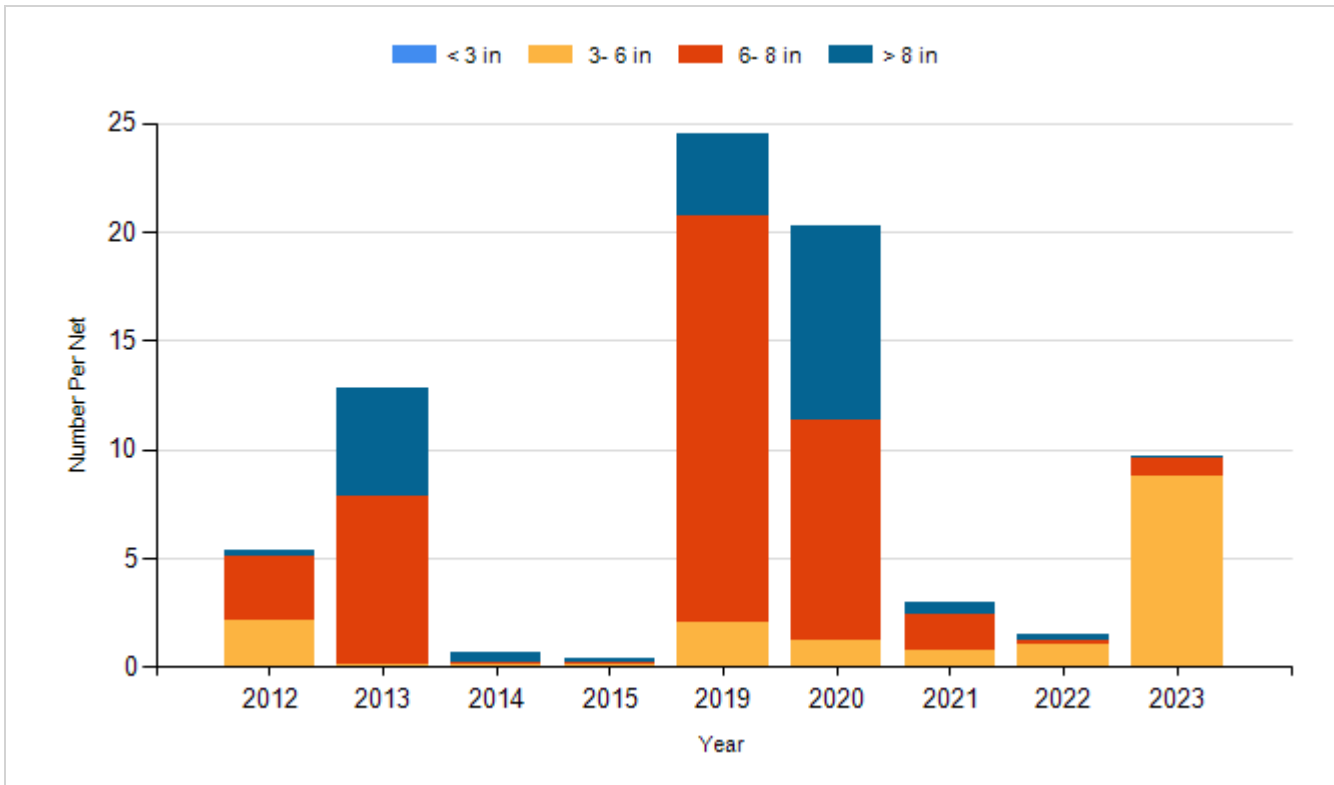
Species: Bluegill

Gear: AFS std frame net

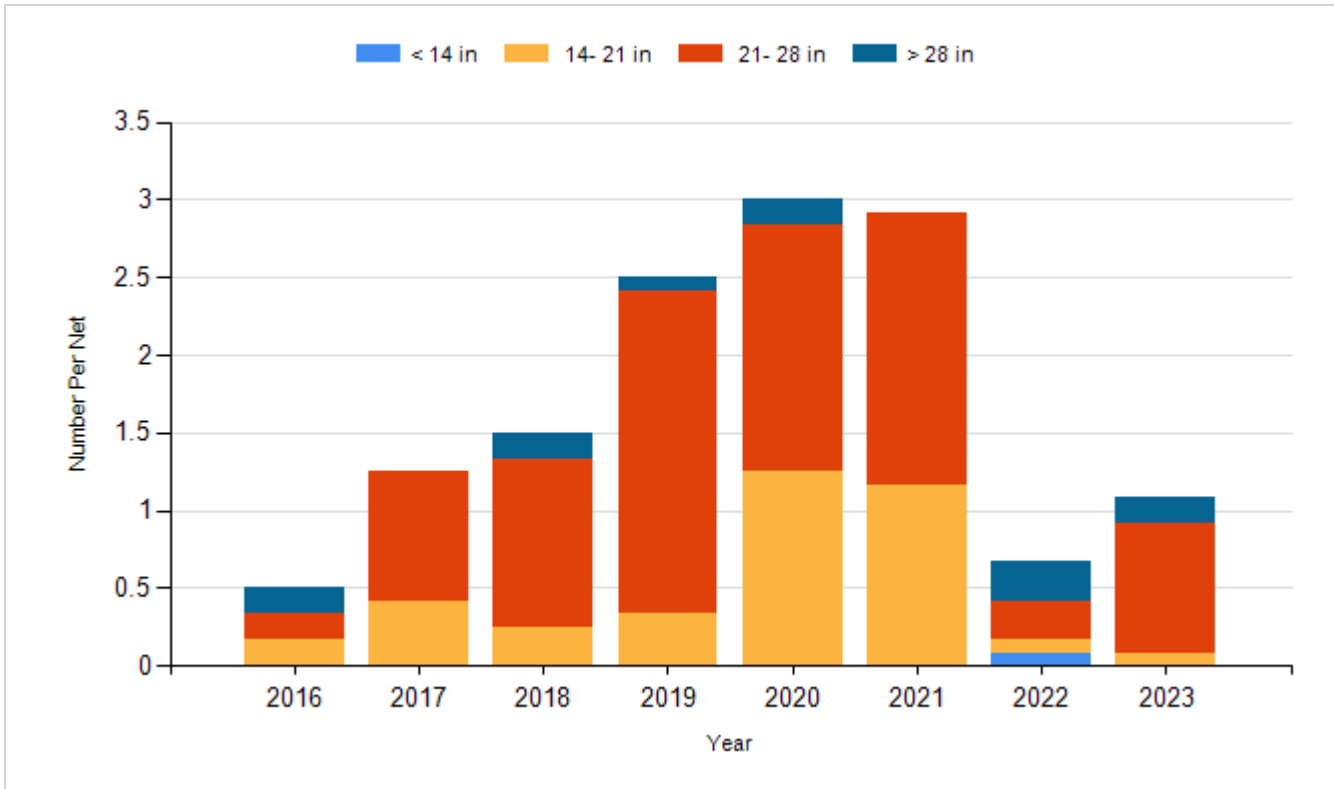


Species: Bluegill

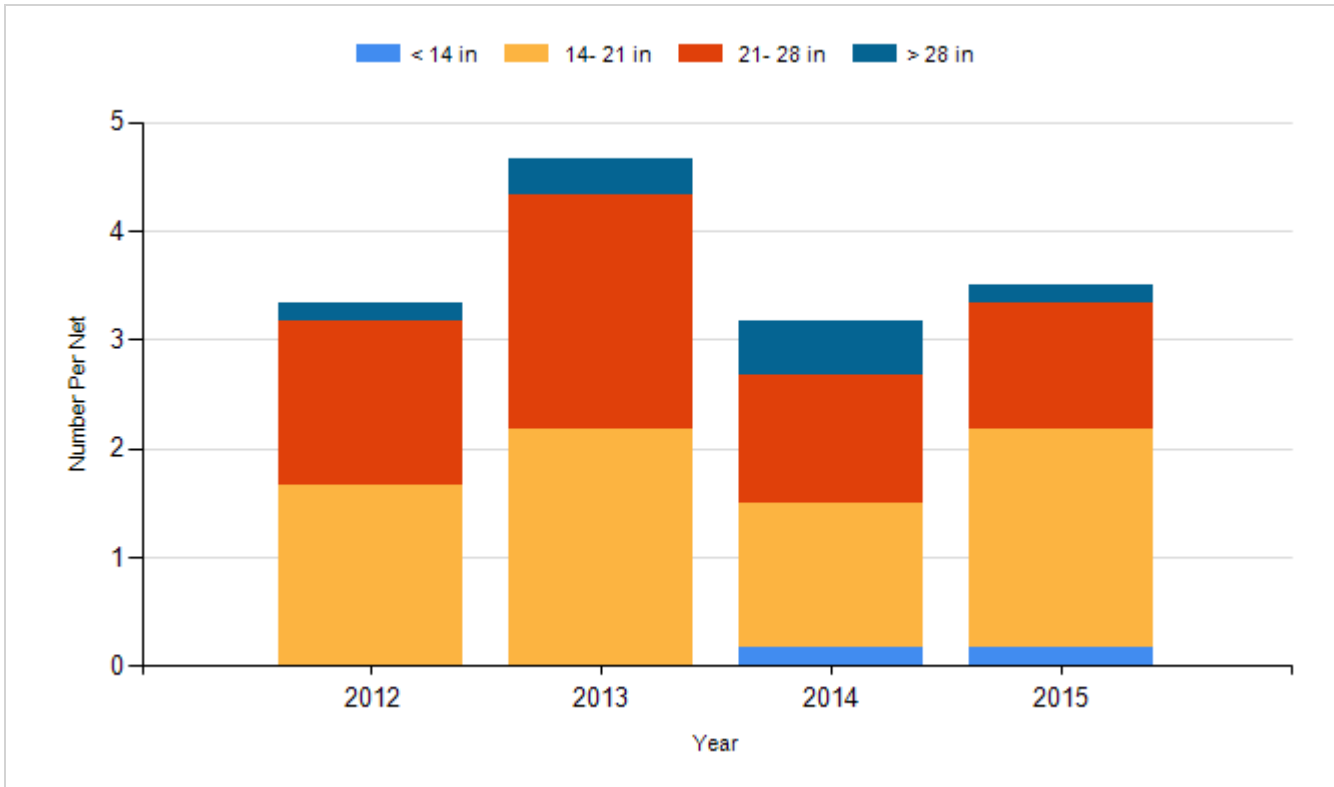
Gear: frame net (std 3/4 in)



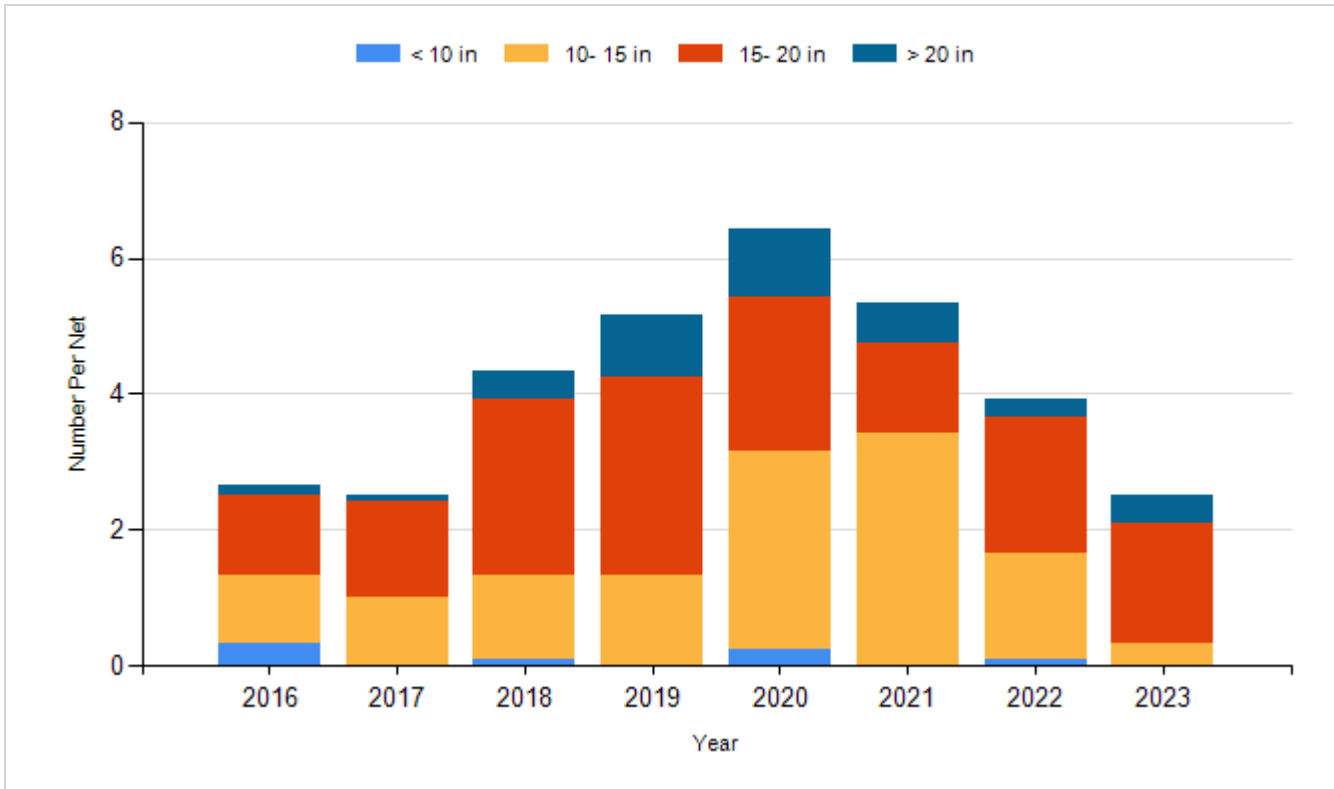
Species: Northern Pike
Gear: AFS std gill net



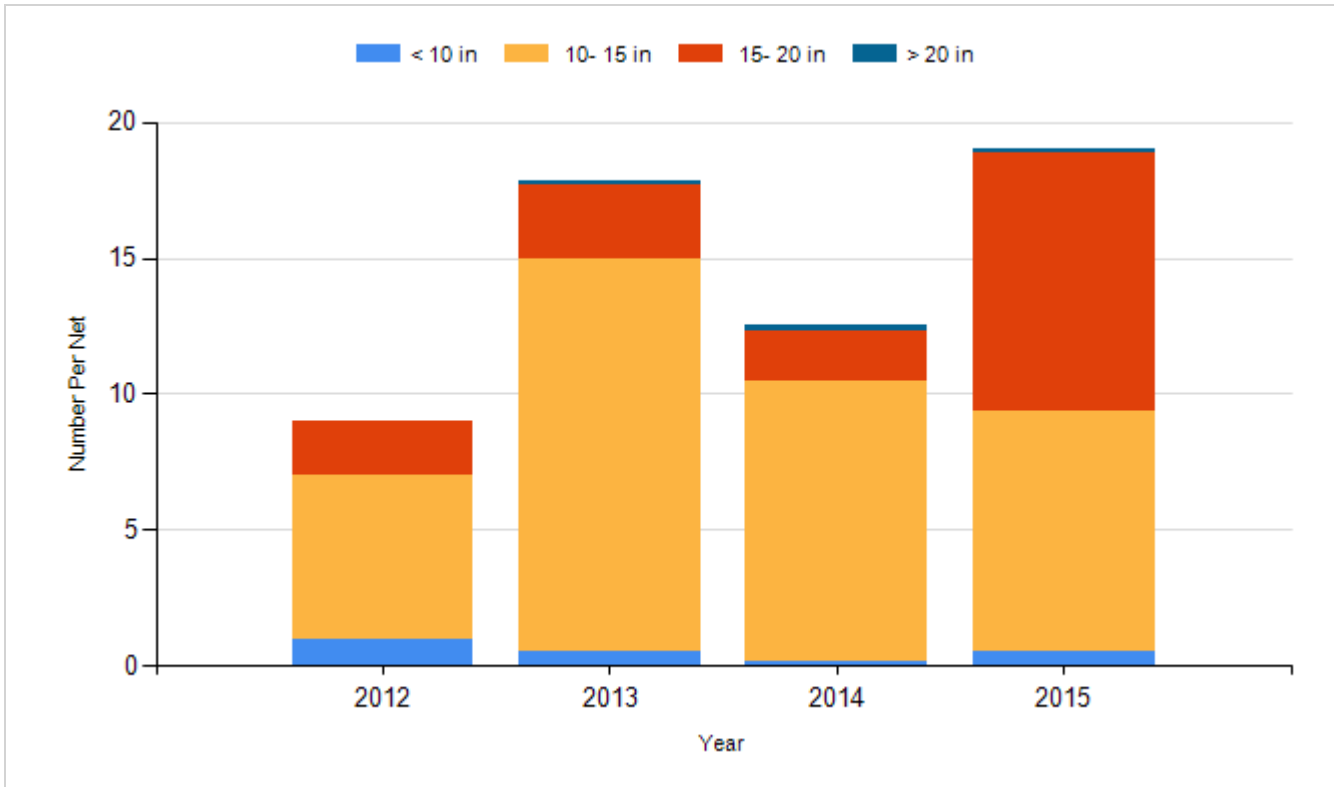
Species: Northern Pike
Gear: std exp gill net



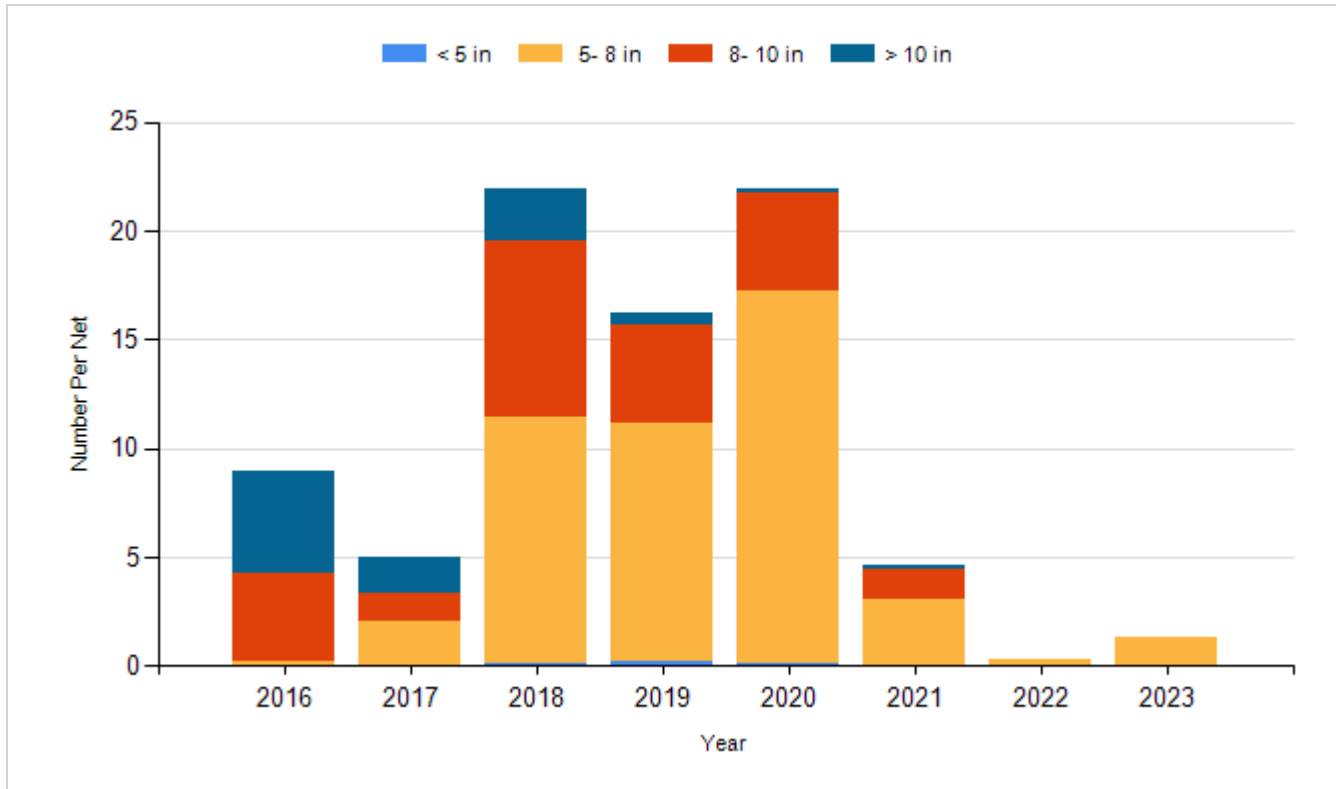
Species: Walleye
Gear: AFS std gill net



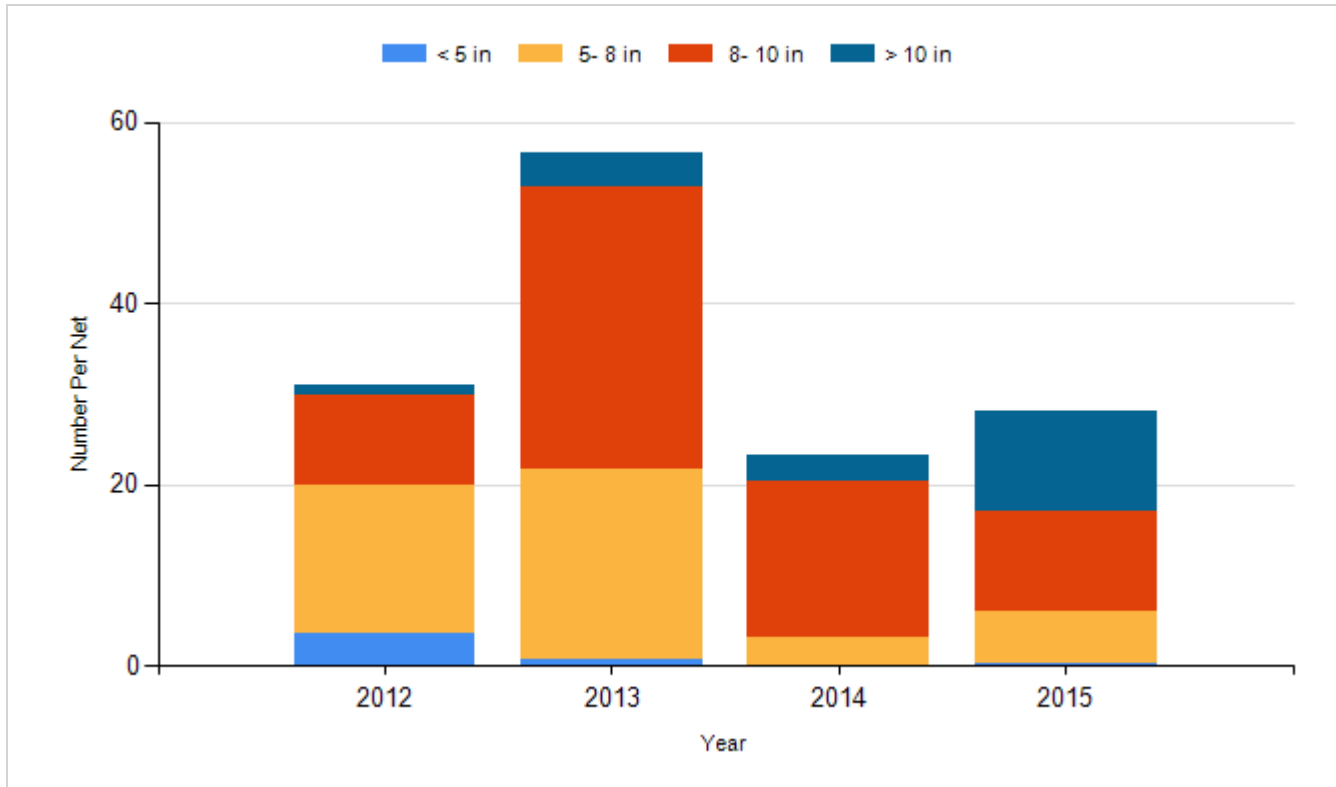
Species: Walleye
Gear: std exp gill net



Species: Yellow Perch
Gear: AFS std gill net



Species: Yellow Perch
Gear: std exp gill net



Fish Stocking

Number of fish stocked by year, species, and size.

Year	Species	Size	Number
2013	Walleye	Small Fingerling	93,410
2015	Walleye	Small Fingerling	91,850
2017	Walleye	Small Fingerling	71,130
2018	Walleye	Fry	470,000
2021	Walleye	Fry	500,000
2022	Walleye	Juvenile	91,000
2023	Walleye	Fry	500,000

SOUTH DAKOTA STATEWIDE FISHERIES SURVEY

Pickerel, Day County

UBS-Lake-358-000

2023

Lake Information

Name:	Pickerel	Maximum Depth:	41 Feet
County:	Day	Mean Depth:	16 Feet
		OHWM Elevation:	1,846
Surface Area:	989 Acres	Outlet Elevation:	1,845

Surveys and Investigations

Survey methods used by gear type, date, and effort.

Gear	Date	Effort
AFS std gill net	Jun 20, 2023	4 net-nights
AFS std gill net	Jun 21, 2023	4 net-nights
AFS std gill net	Jun 22, 2023	4 net-nights
fall night EF-WAE	Sep 25, 2023	3000 seconds
frame net (std 3/4 in)	Jun 20, 2023	6 net-nights
frame net (std 3/4 in)	Jun 21, 2023	6 net-nights
frame net (std 3/4 in)	Jun 22, 2023	6 net-nights

Common Fish Species Present

Northern Pike

Bluegill

Black Crappie

Walleye

Smallmouth Bass

Yellow Perch

Rock Bass

White Bass

Black Bullhead

White Sucker

Terminology

Catch per unit effort (**CPUE**) refers to the relative abundance of a species. It is defined as the number of fish captured per unit of effort (i.e., number of fish captured per net-night or number of fish captured per hour electrofishing). In this report CPUE is typically given for only stock-length fish (see length categories table for stock lengths).

A statewide effort to help make netting efforts comparable to all waters sampled across the state, occurred in 2017, with a switch to American Fisheries Society gill nets. Past gill netting efforts were completed with different style/types of nets and are not comparable side by side.

- **AFS std gill net** – 80 ft experimental gill net containing eight panels (10 ft each) of varying monofilament meshes of 0.75, 1.00, 1.25, 1.50, 1.75, 2.00, 2.25 and 2.50 inches.
- **std experimental gill net for non-Missouri River waters** - 150 ft experimental gill net containing six panels (25 ft each) of varying monofilament meshes of 0.5, 0.75, 1.00, 1.25, 1.50 and 2.00 inches.
- **std experimental gill net for Missouri River reservoirs** – 300 ft experimental gill net containing six panels (50 ft each) of varying multifilament meshes of 0.5, 0.75, 1.00, 1.25, 1.50 and 2.00 inches.

$$CPUE = \frac{\text{number of fish}}{\text{effort}}$$

Population size structure is quantified using the indices proportional size distribution of quality-length fish (**PSD**) and proportional size distribution of preferred-length fish (**PSD-P**). These indices indicate the proportion of stock-length fish that are equal to or greater than a given length. Minimum lengths for stock, quality and preferred length fish are given in the length categories table.

$$PSD = \left(\frac{\text{number of fish} \geq \text{quality length}}{\text{number of fish} \geq \text{stock length}} \right) \times 100$$

$$PSD - P = \left(\frac{\text{number of fish} \geq \text{preferred length}}{\text{number of fish} \geq \text{stock length}} \right) \times 100$$

Relative weight (**Wr**) is used to quantify fish plumpness. Relative weight is the ratio of what a fish weighs (**W**) compared to a length-specific standard weight (**Ws**) multiplied by 100. Relative weight values of 95-105 are commonly cited as optimum values, but values in the 80s are common during summer sampling in South Dakota.

$$Wr = \left(\frac{W}{Ws} \right) \times 100$$

Confidence intervals (CI) are provided for many of the estimates calculated in this report. The confidence interval provides a range in which the true mean is expected to fall. For example, with an 80% CI we are 80% confident that the interval contains the true value.

Length categories include stock (S), quality (Q), preferred (P), memorable (M) and trophy (T). Length categories for most species have been defined based on a percentage of the world record length for that species. Some species mentioned in this report do not have defined length categories. Length categories for species used in this report are provided in the following table. Measurements are the minimum total length for each category and are reported in inches (in) and centimeters (cm).

Species Name	Stock		Quality		Preferred		Memorable		Trophy	
	(in)	(cm)	(in)	(cm)	(in)	(cm)	(in)	(cm)	(in)	(cm)
Black Bullhead	6	15	9	23	12	30	15	38	18	46
Black Crappie	5	13	8	20	10	25	12	30	15	38
Bluegill	3	8	6	15	8	20	10	25	12	30
Brown Trout	8	20	12	30	16	40	20	50	18	46
Channel Catfish	11	28	16	41	24	61	28	71	36	91
Freshwater Drum	8	20	12	30	15	38	20	51	25	63
Lake Trout	12	30	20	50	26	65	31	80	39	100
Largemouth Bass	8	20	12	30	15	38	20	51	25	63
Muskellunge	20	51	30	76	38	97	42	107	50	127
Northern Pike	14	35	21	53	28	71	34	86	44	112
Pumpkinseed	3	8	6	15	8	20	10	25	12	30
Rainbow Trout	10	25	16	40	20	50	26	65	31	80
Rudd	6	15	10	25	12	30	15	38	19	48
Sauger	8	20	12	30	15	38	20	51	25	63
Smallmouth Bass	7	18	11	28	14	35	17	43	20	51
Walleye	10	25	15	38	20	51	25	63	30	76
White Bass	6	15	9	23	12	30	15	38	18	46
White Crappie	5	13	8	20	10	25	12	30	15	38
Yellow Bullhead	4	10	7	18	9	23	11	28	14	36
Yellow Perch	5	13	8	20	10	25	12	30	15	38

Catch Summary of Stock Length Fish

Catch per unit effort (CPUE), proportional size distribution (PSD), proportional size distribution of preferred length fish (PSD-P), and relative weight (Wr) for species sampled in survey with 80% confidence interval (CI-80).

* Methods/Species that ignore stock length

Gear	Species	Sample Size (n)	Abundance		Stock Density Indices			Condition		
			CPUE	CI-80	PSD	CI-80	PSD-P	CI-80	Wr	CI-80
AFS std gill net	Black Crappie	3	0.3	0.2	100		67	103	6	
	Bluegill	9	0.8	0.4	89		67	121	2	
	Common Carp	1	0.1	0.1	100		100	89		
	Northern Pike	13	1.1	0.5	92		15	83	2	
	Rock Bass	5	0.3	0.3	75		25	106	5	
	Smallmouth Bass	39	3.3	1.2	92		67	11	97	1
	Walleye	30	2.5	0.8	87		17	11	83	1
	White Bass	32	2.7	1.2	100		100		86	1
	White Sucker	9	0.8	0.4	100		100		101	3
	Yellow Perch	16	1.3	1.2	0		0		93	3
frame net (std 3/4 in)	Black Bullhead	77	4.3	3.0	100		90	5	94	1
	Black Crappie	9	0.5	0.2	100		100		95	3
	Bluegill	175	9.7	4.8	10	3	1		110	1
	Largemouth Bass	1	0.0	0.0	0		0			
	Northern Pike	26	1.4	0.4	72	14	12		79	2
	Rock Bass	127	6.9	2.0	59	6	8	4	101	1
	Smallmouth Bass	75	4.1	0.7	72	8	41	8	94	1
	Walleye	37	2.1	0.6	92		32	12	83	1
	White Bass	80	4.4	3.3	100		100		84	1
	White Sucker	1	0.1	0.1	100		100		91	
Yellow Perch	4	0.2	0.1	67		0		81	4	

10-Year Catch Per Unit Effort by Gear and Species

Catch per unit effort (CPUE) and average (Avg) of species across 10 years using different gear types.

* Methods/Species that ignore stock length

Gear	Species	CPUE										Avg	
		2014	2015	2016	2017	2018	2019	2020	2021	2022	2023		
AFS std frame net	Black Bullhead				1.3								1.30
	Black Crappie				0.1								0.10
	Bluegill				11.6								11.60
	Northern Pike				0.2								0.20
	Rock Bass				1.2								1.20
	Smallmouth Bass				0.9								0.90
	Walleye				0.2								0.20
	White Bass				0.2								0.20
	White Sucker				0.1								0.10
	Yellow Perch				0.3								0.30
AFS std gill net	Black Bullhead			0.1	1.3	0.0	0.2	0.2	0.8	0.1	0.0		0.34
	Black Crappie			0.2	0.2	0.9	0.6	0.9	4.6	0.6	0.3		1.04
	Bluegill			0.2	0.1	1.3	2.1	1.9	0.8	0.3	0.8		0.94
	Common Carp			0.1	0.2	0.4	0.2	0.3	0.0	0.3	0.1		0.20
	Northern Pike			0.5	1.3	1.5	2.5	3.0	2.9	0.6	1.1		1.68
	Rock Bass			0.0	0.1	0.5	0.2	1.1	0.1	0.5	0.3		0.35
	Smallmouth Bass			2.1	1.4	2.0	1.3	2.3	2.7	1.4	3.3		2.06
	Walleye			2.3	2.5	4.3	5.2	6.2	5.3	3.8	2.5		4.01
	White Bass			2.9	1.9	1.5	1.8	5.4	1.9	3.9	2.7		2.75
	White Sucker			1.1	1.7	1.8	1.6	0.8	1.5	0.9	0.8		1.28
	Yellow Perch			8.9	5.0	21.8	16.1	21.8	4.6	0.3	1.3		9.98
boat shocker (day)	Smallmouth Bass							59.0					59.00
boat shocker (night)	Walleye*	10.0	44.4		28.0								27.47
boat shocker (night, DC)	Smallmouth Bass		110.0										110.00
fall night EF-WAE*	Walleye					76.0			42.0	20.0			46.00
frame net (std 3/4 in)	Black Bullhead	10.1	10.9					6.6	1.7	0.2	7.3	4.3	5.87
	Black Crappie	1.0	0.9					0.7	0.5	0.4	0.3	0.5	0.61
	Bluegill	0.6	0.4					24.5	20.3	3.0	1.5	9.7	8.57
	Common Carp	0.0	0.1					0.1	0.0	0.0	0.0	0.0	0.03
	Largemouth Bass	0.0	0.0					0.0	0.0	0.0	0.0	0.0	0.00
	Northern Pike	0.2	0.5					0.4	0.3	0.7	1.0	1.4	0.64
	Rock Bass	6.0	8.5					3.4	3.3	7.7	2.5	6.9	5.47

		CPUE										
Gear	Species	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Avg
frame net (std 3/4 in)	Smallmouth Bass	2.3	2.3				2.6	2.7	2.9	1.3	4.1	2.60
	Walleye	0.6	0.3				0.2	0.2	0.3	0.4	2.1	0.59
	Western Painted Turtle	0.0	0.0				0.0	0.0	0.0	0.0	0.0	0.00
	White Bass	0.1	0.2				0.6	0.3	0.1	0.1	4.4	0.83
	White Sucker	0.2	0.2				0.1	0.1	0.1	0.0	0.1	0.11
	Yellow Perch	0.2	0.1				0.6	2.9	0.9	0.9	0.2	0.83
spring day EF*	Smallmouth Bass									24.9		24.90
spring night EF-SMB*	Smallmouth Bass					6.0						6.00
std exp gill net	Black Bullhead	0.2	3.2									1.70
	Black Crappie	7.2	2.5									4.85
	Bluegill	0.0	0.0									0.00
	Common Carp	0.2	0.3									0.25
	Northern Pike	3.0	3.3									3.15
	Rock Bass	0.0	0.0									0.00
	Smallmouth Bass	2.2	1.7									1.95
	Spottail Shiner	0.0	0.0									0.00
	Walleye	12.3	18.5									15.40
	White Bass	3.0	4.0									3.50
	White Sucker	1.5	1.7									1.60
Yellow Perch	23.2	27.8									25.50	

10-Year Size Structure and Condition Statistics by Gear and Species

Species proportional size distribution (PSD), proportional size distribution of preferred length fish (PSD-P), and relative weight (Wr) collected by different gear types across 10 years.

Gear	Species	Index	Year												
			2014	2015	2016	2017	2018	2019	2020	2021	2022	2023			
AFS std frame net	Black Bullhead	PSD				96									
		PSD-P				75									
		Wr				95									
	Black Crappie	PSD				100									
		PSD-P				100									
		Wr				86									
	Bluegill	PSD				2									
		PSD-P				0									
		Wr				123									
	Northern Pike	PSD				100									
		PSD-P				0									
		Wr				84									
	Rock Bass	PSD				32									
		PSD-P				9									
		Wr				117									
	Smallmouth Bass	PSD				38									
		PSD-P				19									
		Wr				95									
	Walleye	PSD				100									
		PSD-P				25									
		Wr				79									
White Bass	PSD				100										
	PSD-P				100										
	Wr				91										
White Sucker	PSD				100										
	PSD-P				100										
	Wr				94										
Yellow Perch	PSD				0										
	PSD-P				0										
	Wr				94										
AFS std gill net	Black Bullhead	PSD			100	100		100	100	100	0				
		PSD-P			100	73		50	0	70	0				
		Wr			92	98		97	99	102	80				

Gear	Species	Index	Year									
			2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
AFS std gill net	Black Crappie	PSD			100	100	91	86	73	96	100	100
		PSD-P			100	100	91	57	27	29	100	67
		Wr			98	90	93	101	114	112	109	103
	Bluegill	PSD			100	0	81	100	100	100	100	89
		PSD-P			100	0	0	28	52	44	100	67
		Wr			124	119	122	117	119	115	115	121
	Northern Pike	PSD			67	67	83	87	58	60	86	92
		PSD-P			33	0	11	3	6	0	43	15
		Wr			78	89	86	85	89	82	81	83
	Rock Bass	PSD				100	50	100	54	0	100	75
		PSD-P				0	17	0	0	0	17	25
		Wr				100	105	106	112	108	108	106
	Smallmouth Bass	PSD			64	94	71	94	85	84	71	92
		PSD-P			40	59	46	81	56	56	41	67
		Wr			90	94	96	92	94	94	93	97
	Walleye	PSD			57	60	71	74	53	36	59	87
		PSD-P			7	3	10	18	16	11	7	17
		Wr			83	88	85	88	90	85	89	83
	White Bass	PSD			100	100	100	100	94	100	100	100
		PSD-P			100	100	89	100	82	91	100	100
		Wr			90	94	89	88	93	93	90	86
	White Sucker	PSD			100	100	100	100	100	100	100	100
		PSD-P			100	95	95	100	100	100	100	100
		Wr			108	112	108	106	113	106	113	101
	Yellow Perch	PSD			98	60	48	32	21	33	0	0
		PSD-P			52	33	11	4	1	4	0	0
		Wr			109	101	100	103	104	97	99	93
boat shocker (day)	Smallmouth Bass	PSD						83				
		PSD-P					37					
		Wr					96					
boat shocker (night)	Walleye	PSD	0	0		0						
		PSD-P	0	0		0						
		Wr	92	94		93						
boat shocker (night, DC)	Smallmouth Bass	PSD		60								
		PSD-P		12								
		Wr		91								

Gear	Species	Index	Year										
			2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	
frame net (std 3/4 in)	Black Bullhead	PSD	63	82					82	70	100	72	100
		PSD-P	48	31					51	20	50	58	90
		Wr	89	98					95	99	98	96	94
	Black Crappie	PSD	100	94					42	89	63	100	100
		PSD-P	94	94					17	33	25	40	100
		Wr	100	95					106	105	107	108	95
	Bluegill	PSD	82	71					92	94	74	28	10
		PSD-P	73	43					15	44	20	20	1
		Wr	118	129					120	120	120	122	110
	Northern Pike	PSD	67	11					100	67	62	53	72
		PSD-P	33	0					13	0	15	6	12
		Wr	73	84					79	85	78	78	79
	Rock Bass	PSD	70	68					40	24	36	50	59
		PSD-P	9	20					6	0	2	0	8
		Wr	105	109					115	111	110	110	101
	Smallmouth Bass	PSD	43	29					63	47	42	55	72
		PSD-P	12	7					39	29	23	36	41
		Wr	88	94					90	94	91	109	94
	Walleye	PSD	40	100					75	75	20	100	92
		PSD-P	0	0					25	75	0	29	32
		Wr	81	79					73	81	82	81	83
	White Bass	PSD	100	100					100	100	100	100	100
		PSD-P	100	100					100	100	100	100	100
		Wr	86	93					86	93	87	96	84
	White Sucker	PSD	100	100					100	100	100		100
		PSD-P	100	100					100	100	100		100
		Wr		101					95	97	108		91
Yellow Perch	PSD	100	50					18	21	13	47	67	
	PSD-P	0	50					9	0	0	7	0	
	Wr	92	105					89	94	92	100	81	
spring day EF	Smallmouth Bass	PSD										100	
		PSD-P										96	
		Wr										94	
spring night EF-SMB	Smallmouth Bass	PSD						83					
		PSD-P						33					
		Wr						89					

Gear	Species	Index	Year									
			2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
std exp gill net	Black Bullhead	PSD	100	89								
		PSD-P	100	26								
		Wr	94	98								
	Black Crappie	PSD	100	100								
		PSD-P	88	100								
		Wr	103	96								
	Northern Pike	PSD	56	40								
		PSD-P	17	5								
		Wr	80	80								
	Smallmouth Bass	PSD	46	90								
		PSD-P	0	50								
		Wr	95	86								
	Walleye	PSD	16	52								
		PSD-P	1	1								
		Wr	86	87								
	White Bass	PSD	100	100								
		PSD-P	94	100								
		Wr	96	94								
	White Sucker	PSD	100	100								
		PSD-P	100	100								
		Wr	108	111								
	Yellow Perch	PSD	86	79								
		PSD-P	12	40								
		Wr	108	110								

Length at Capture

Mean length at capture by age across years sampled, sample size (N).

Species: Black Crappie

Mean Length (expanded sample number) at capture by age											
Year	N	1	2	3	4	5	6	7	8	9	10+
2019	14		141 (8)	215 (4)						314 (1)	314 (1)
2017	15	82 (13)									321 (2)
2015	16			175 (1)		273 (10)				300 (1)	313 (4)
2014	18				253 (8)					298 (10)	

Species: Bluegill

Mean Length (expanded sample number) at capture by age											
Year	N	1	2	3	4	5	6	7	8	9	10+
2023	174		108 (157)	164 (15)	175 (2)	226 (1)					
2022	25		99 (18)	185 (2)	219 (4)		254 (1)				
2020	365		120 (20)	173 (175)	210 (149)	231 (21)					
2019	441		97 (21)	175 (355)	212 (65)						

Species: Smallmouth Bass

Mean Length (expanded sample number) at capture by age											
Year	N	1	2	3	4	5	6	7	8	9	10+
2019	43		229 (1)	259 (8)	331 (30)	335 (3)	335 (1)				
2018	6			254 (1)		341 (4)	355 (1)				
2015	110		193 (7)	255 (38)	304 (13)	330 (35)	341 (6)	365 (1)	391 (6)	415 (2)	467 (2)

Species: Walleye

Mean Length (expanded sample number) at capture by age											
Year	N	1	2	3	4	5	6	7	8	9	10+
2023	30		319 (3)	387 (1)	402 (3)	427 (7)	460 (6)		530 (4)	579 (2)	492 (4)
2022	47	211 (1)	310 (1)	345 (6)	389 (31)	393 (1)		459 (1)	587 (1)	473 (3)	528 (2)
2021	64		286 (3)	335 (37)	406 (9)	418 (1)	486 (6)	530 (2)			568 (6)
2020	77		275 (28)	371 (17)	418 (5)	480 (6)	481 (5)	536 (6)		511 (4)	578 (6)
2019	62		295 (14)	378 (2)	419 (21)	459 (4)	502 (9)		490 (3)	502 (5)	571 (4)

Mean Length (expanded sample number) at capture by age											
Year	N	1	2	3	4	5	6	7	8	9	10+
2018	52	180 (1)	311 (3)	367 (16)	443 (1)	460 (15)	474 (2)	457 (5)	463 (7)		677 (2)
2017	30		325 (10)	376 (3)	420 (9)		478 (3)	450 (4)	414 (1)		
2016	32	197 (4)	296 (1)	356 (10)	372 (1)	420 (9)	422 (6)				645 (1)
2015	114	186 (3)	298 (28)	373 (25)	388 (37)	410 (19)		604 (1)	427 (1)		
2014	75	184 (1)	307 (5)	351 (41)	367 (23)	463 (1)	416 (1)	406 (1)	443 (1)		556 (1)

Species: Yellow Perch

Mean Length (expanded sample number) at capture by age											
Year	N	1	2	3	4	5	6	7	8	9	10+
2023	16		147 (9)	175 (5)	189 (2)						
2022	3			154 (3)							
2021	55		137 (4)	167 (28)	199 (12)	223 (9)	219 (3)				
2020	263		142 (107)	170 (87)	210 (52)	231 (17)					
2019	195		142 (62)	194 (100)	233 (30)	243 (2)		302 (1)			
2018	263		153 (122)	216 (108)	249 (10)	266 (8)	280 (2)	273 (10)	310 (3)	274 (1)	
2017	60		171 (25)	223 (11)	257 (12)	266 (2)	266 (4)	286 (3)	290 (3)		
2016	107		164 (1)	209 (10)	237 (18)	247 (26)	258 (26)	272 (24)	294 (1)		
2015	168	100 (1)	157 (16)	196 (24)	238 (50)	255 (46)	260 (23)	249 (4)			
2014	139		146 (6)	202 (27)	229 (67)	240 (38)	234 (3)				

Fish Condition

Mean relative weight (Wr) by sample size (N), length category stock to quality (S-Q), quality to preferred (Q-P), preferred to memorable (P-M), and memorable (M) for species collected across survey years with standard error (SE).

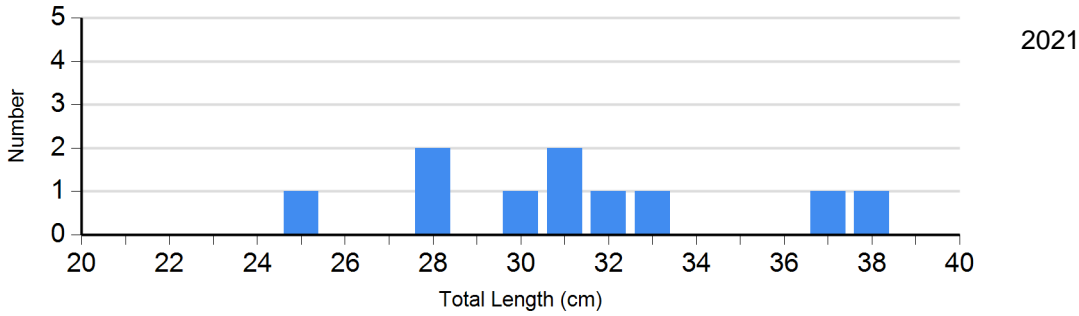
Species	Year	Length Groups							
		S-Q		Q-P		P-M		M	
		N	Wr (SE)	N	Wr (SE)	N	Wr (SE)	N	Wr (SE)
Black Bullhead Gill Net	2019	0		1	87	1	107	0	
	2020	0		2	99 (0.0)	0		0	
	2021	0		3	102 (6.2)	6	101 (6.6)	1	100
	2022	1	80	0		0		0	
Black Crappie Frame Net	2019	7	114 (4.7)	3	104 (5.4)	0		2	80 (2.3)
	2020	1	116	5	111 (2.5)	0		3	91 (3.9)
	2021	3	107 (6.2)	3	110 (4.9)	2	101 (1.0)	0	
	2022	0		3	108	2		0	
	2023	0		0		7	96 (2.7)	2	89 (2.2)
Bluegill Frame Net	2019	37	105 (1.8)	336	122 (0.7)	68	122 (1.3)	0	
	2020	22	113 (3.2)	182	121 (0.6)	161	120 (0.6)	0	
	2021	14	122 (3.0)	29	121 (1.0)	11	117 (1.8)	0	
	2022	18	123 (2.7)	2	121 (2.9)	4	122 (3.3)	1	106
	2023	158	109 (0.8)	15	113 (2.2)	2	124	0	
Northern Pike Gill Net	2019	4	88 (1.7)	25	84 (1.0)	1	102	0	
	2020	15	92 (1.5)	19	87 (1.0)	1	94	1	85
	2021	14	84 (1.4)	21	81 (1.1)	0		0	
	2022	1	80	3	83 (2.0)	3	79 (3.2)	0	
	2023	1	92	10	82 (1.9)	1	79	1	84
Smallmouth Bass Electro Fishing	2019	10	95 (2.2)	27	97 (1.0)	21	95 (1.5)	1	97
	2022	0		1	81	22	95 (1.0)	2	90 (6.3)
Walleye Gill Net	2019	16	87 (1.2)	35	88 (1.0)	9	90 (1.2)	2	93 (4.7)
	2020	35	88 (0.8)	27	91 (0.8)	10	93 (2.0)	2	88 (3.9)

Species	Year	Length Groups							
		S-Q		Q-P		P-M		M	
		N	Wr (SE)	N	Wr (SE)	N	Wr (SE)	N	Wr (SE)
Walleye Gill Net	2021	41	85 (0.6)	16	86 (1.3)	6	82 (2.2)	1	75
	2022	19	98 (10.8)	24	83 (0.6)	3	86 (2.8)	0	
	2023	4	88 (3.0)	21	83 (1.0)	4	79 (2.2)	1	87
White Bass Gill Net	2019	0		0		1	92	20	88 (1.0)
	2020	4	92 (0.9)	8	91 (2.3)	9	100 (1.6)	44	92 (0.7)
	2021	0		2	87 (0.0)	4	97 (0.6)	17	93 (1.0)
	2022	0		0		11	93 (1.2)	36	88 (1.0)
	2023	0		0		4	94 (1.7)	28	85 (0.8)
White Sucker Gill Net	2019	0		0		2	124 (2.2)	17	104 (2.3)
	2020	0		0		1	110	8	114 (1.8)
	2021	0		0		1	112	17	105 (2.2)
	2022	0		0		0		11	113 (6.5)
	2023	0		0		0		9	101 (2.3)
Yellow Perch Gill Net	2019	132	106 (2.2)	54	98 (0.9)	6	91 (2.1)	1	95
	2020	206	105 (0.5)	54	100 (0.9)	2	92 (3.0)	0	
	2021	37	100 (1.2)	16	94 (2.0)	2	85 (5.4)	0	
	2022	3	99 (3.7)	0		0		0	
	2023	16	93 (2.1)	0		0		0	

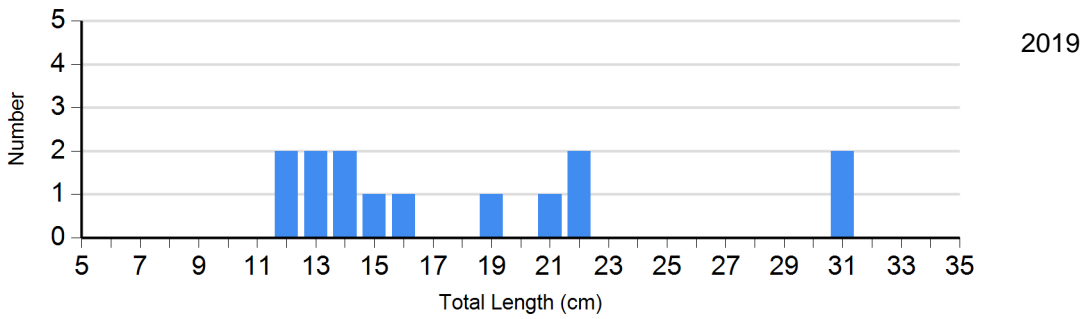
Length Frequency Distribution

Length frequency histogram of species sampled by year.

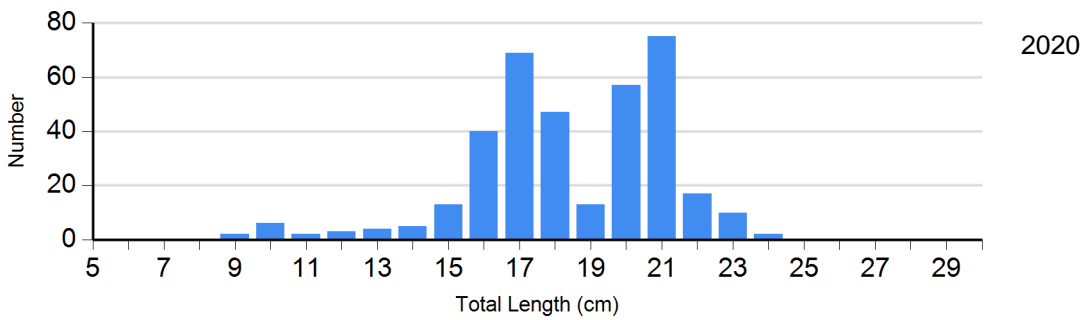
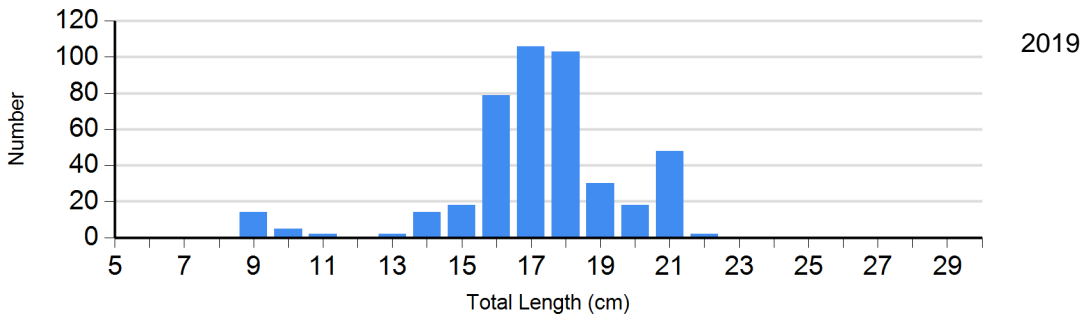
Species: Black Bullhead
Gear: AFS std gill net

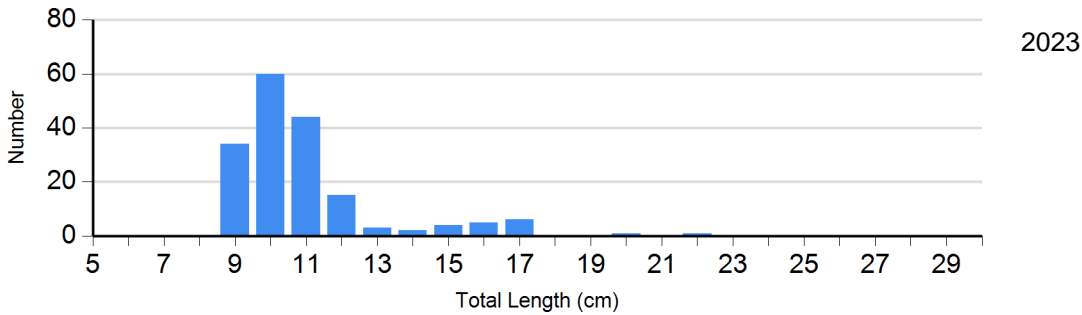
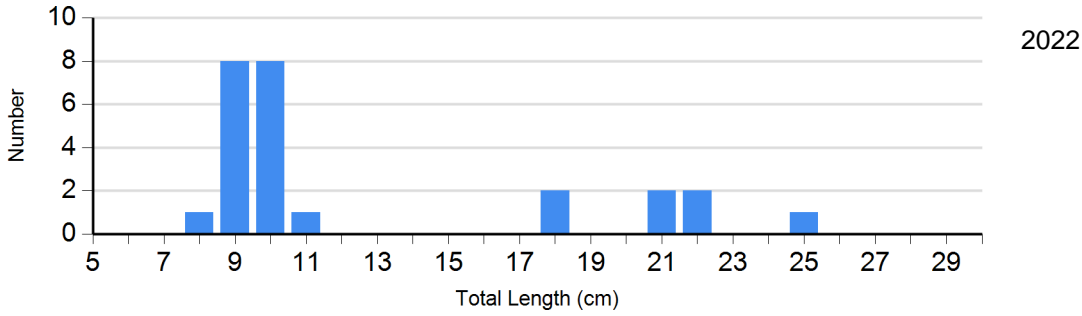
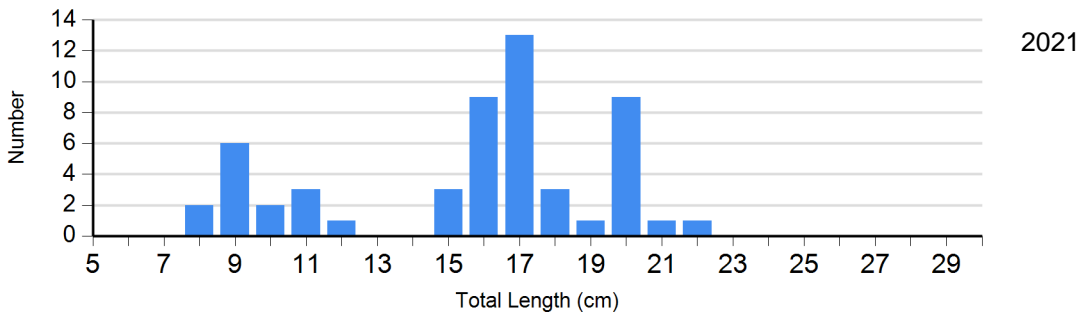


Species: Black Crappie
Gear: frame net (std 3/4 in)

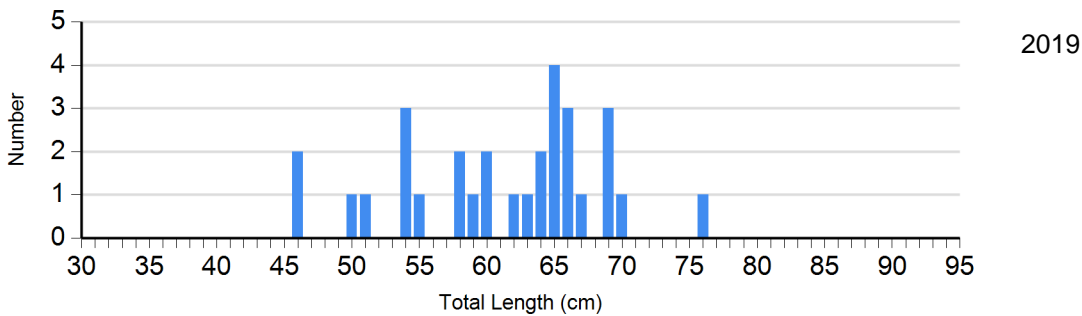
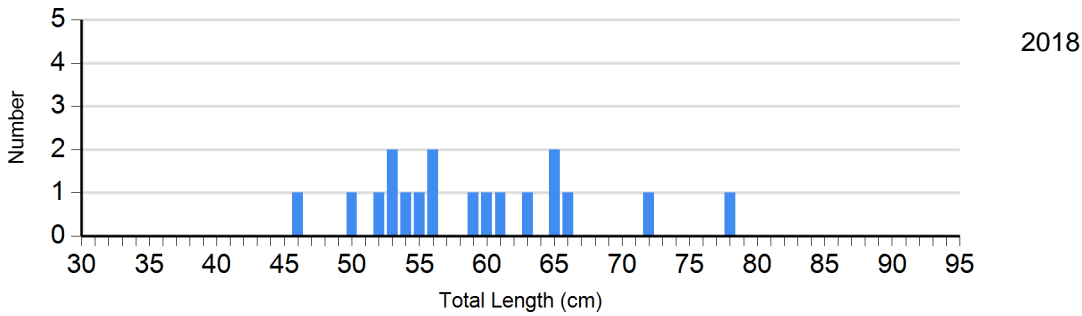


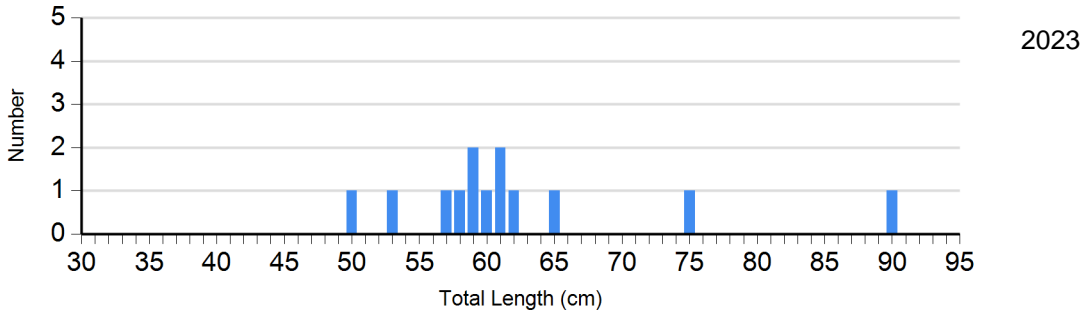
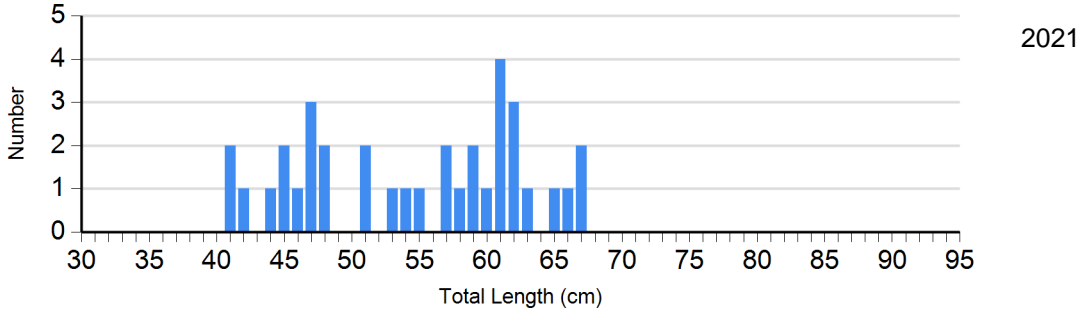
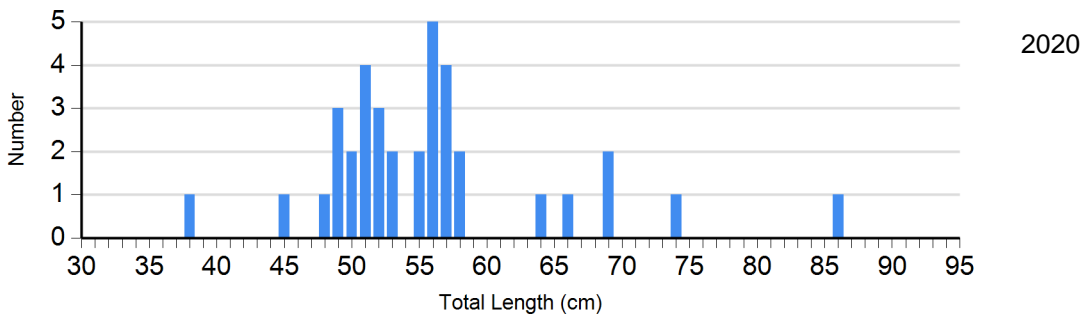
Species: Bluegill
Gear: frame net (std 3/4 in)



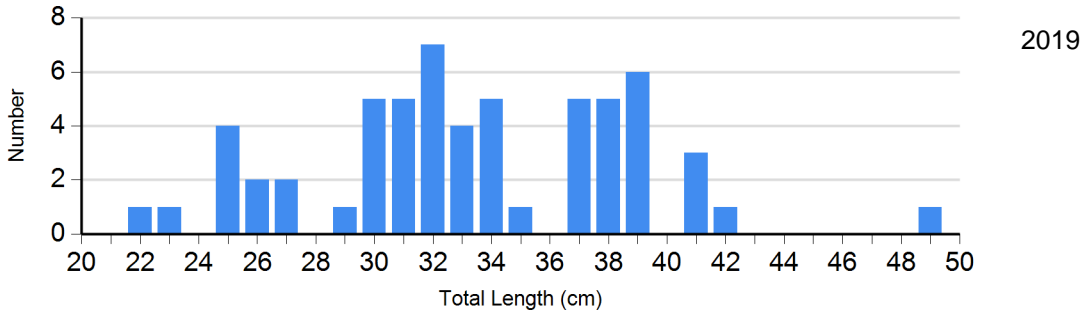


Species: Northern Pike
 Gear: AFS std gill net

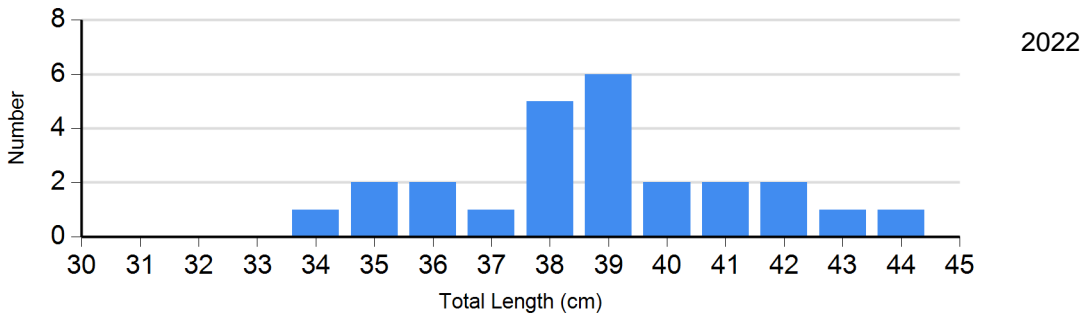




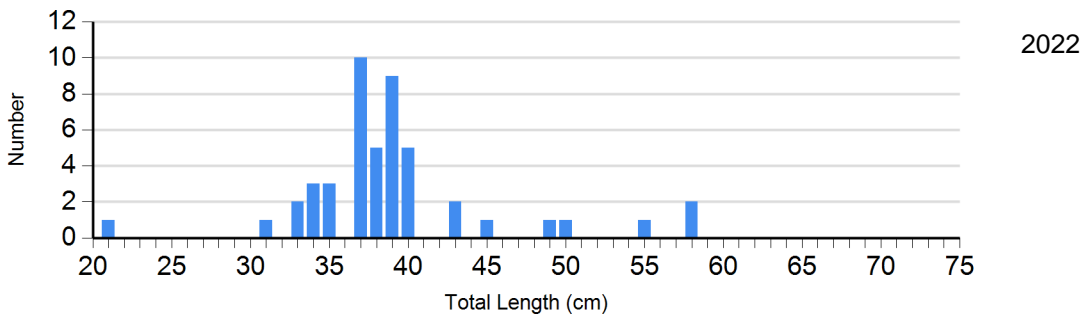
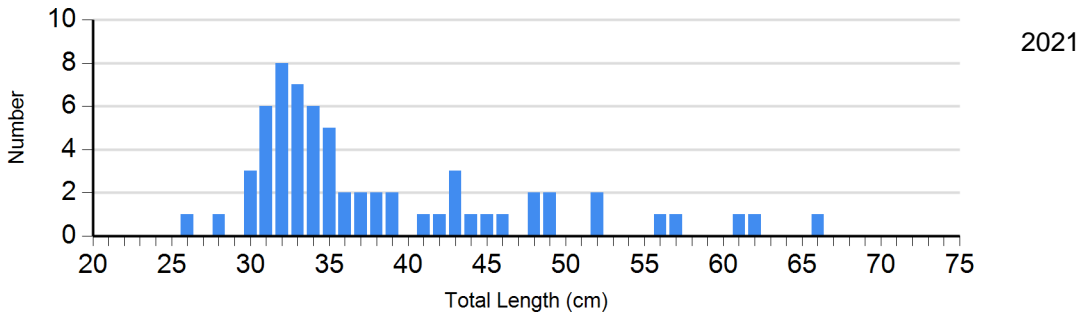
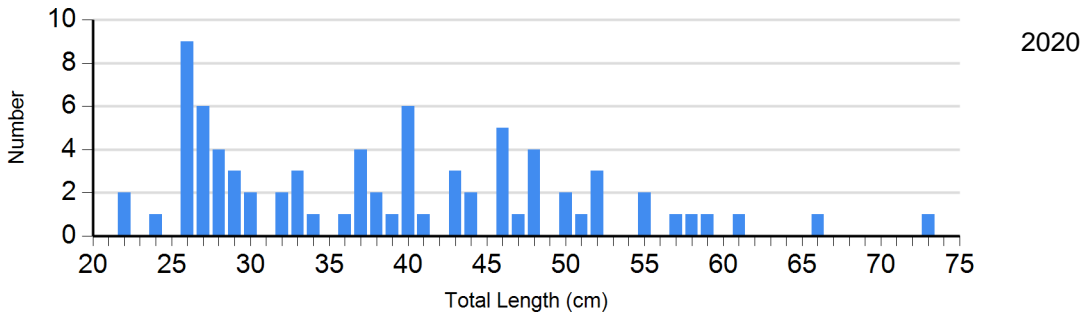
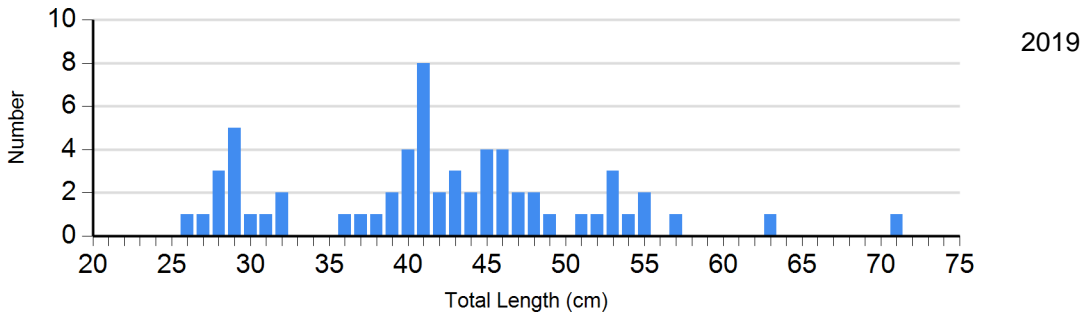
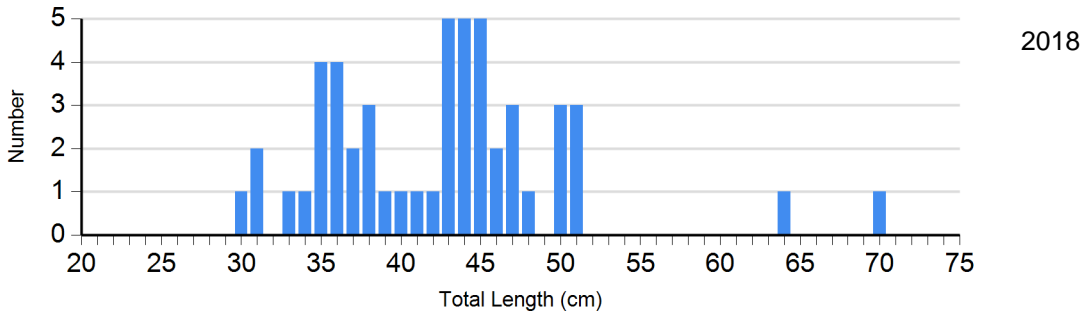
Species: Smallmouth Bass
Gear: boat shocker (day)

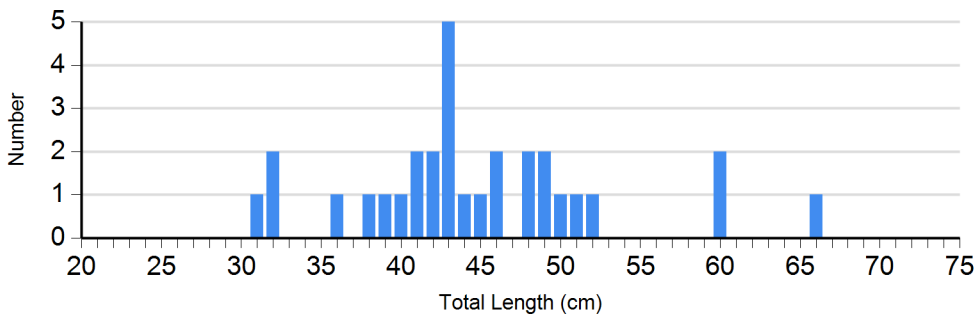


Species: Smallmouth Bass
Gear: spring day EF



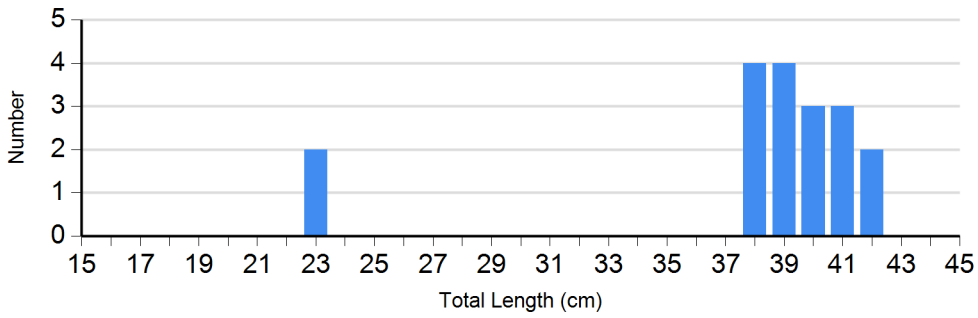
Species: Walleye
Gear: AFS std gill net



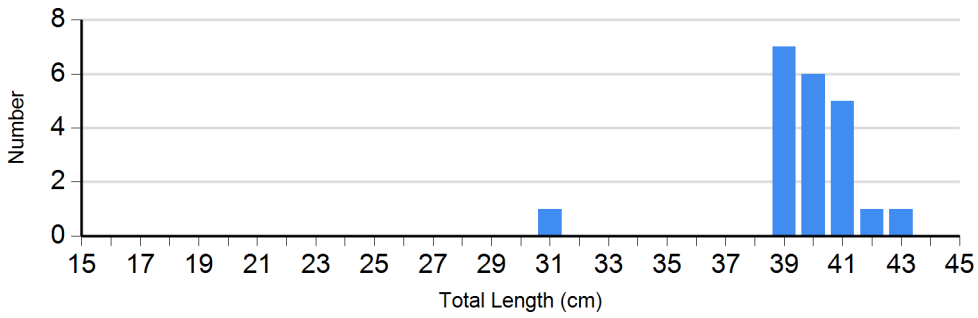


2023

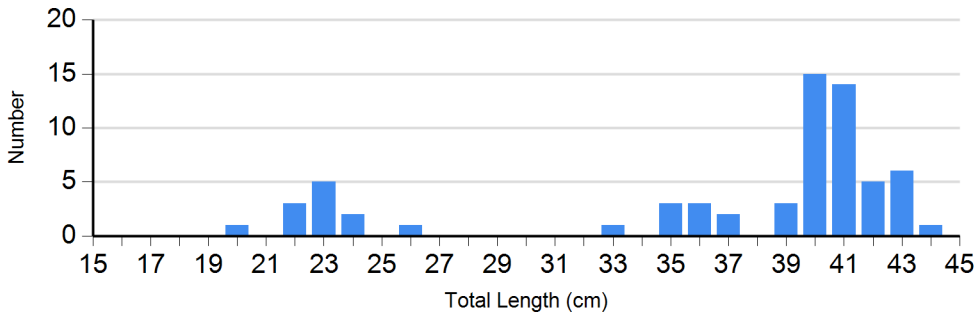
Species: White Bass
Gear: AFS std gill net



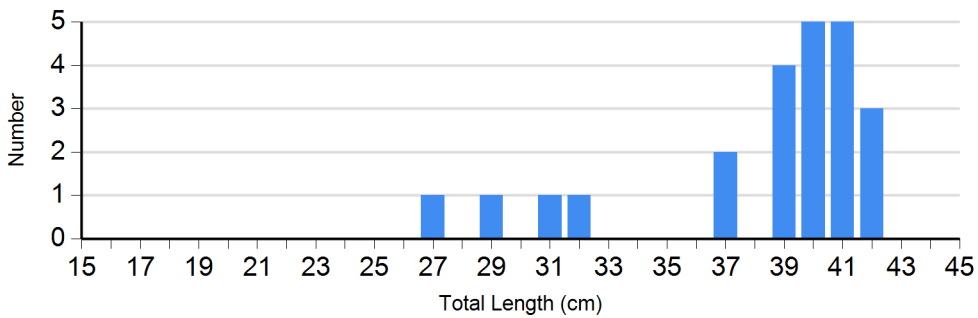
2018



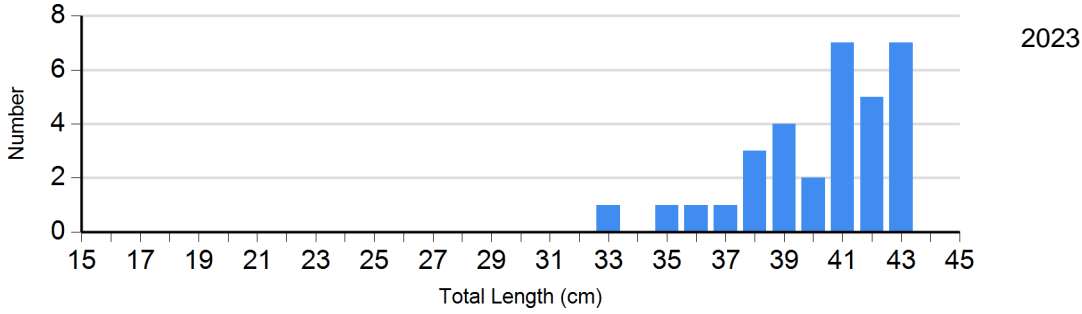
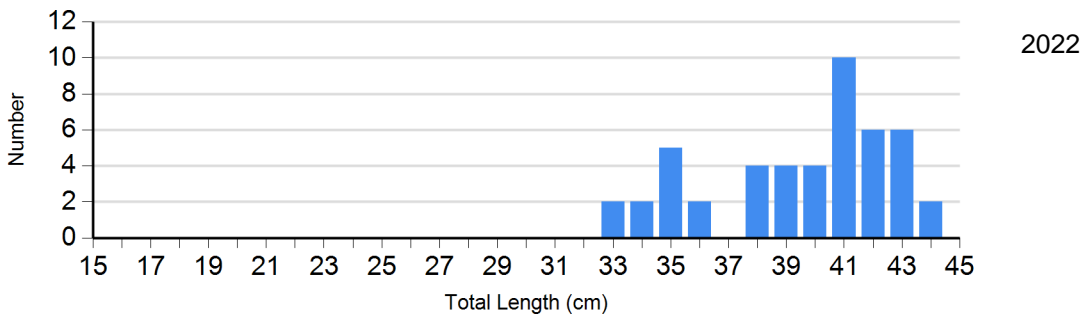
2019



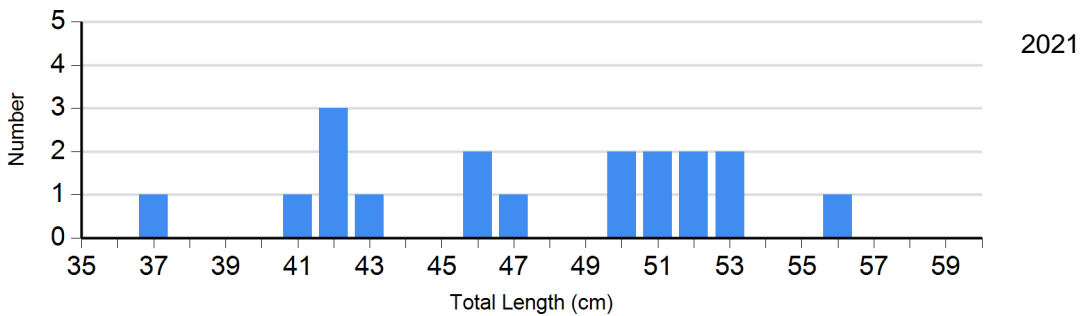
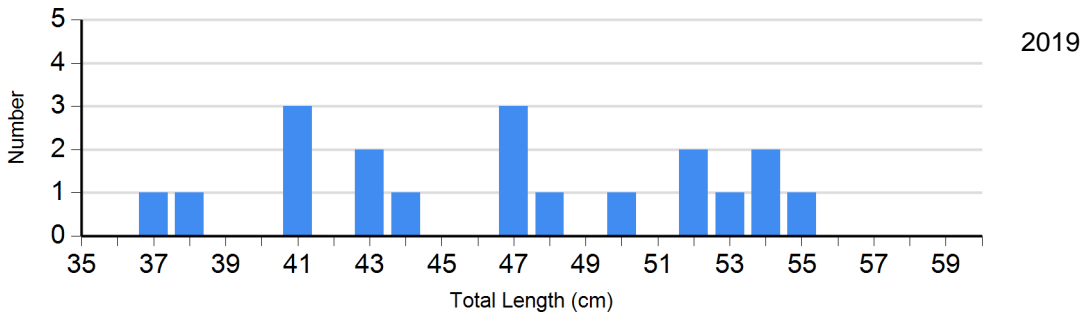
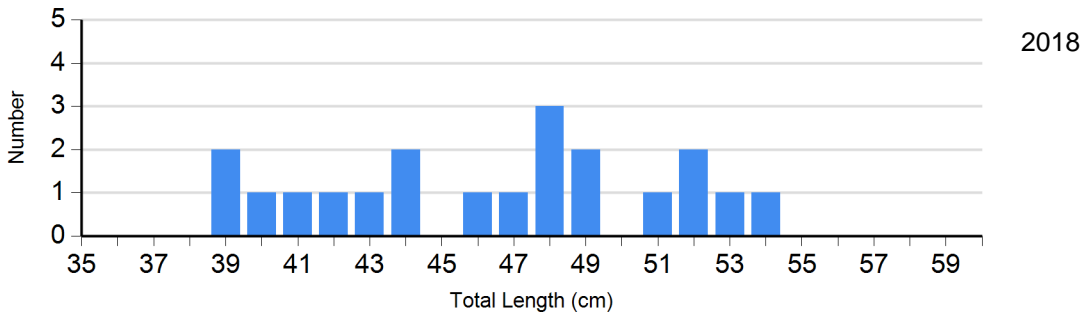
2020

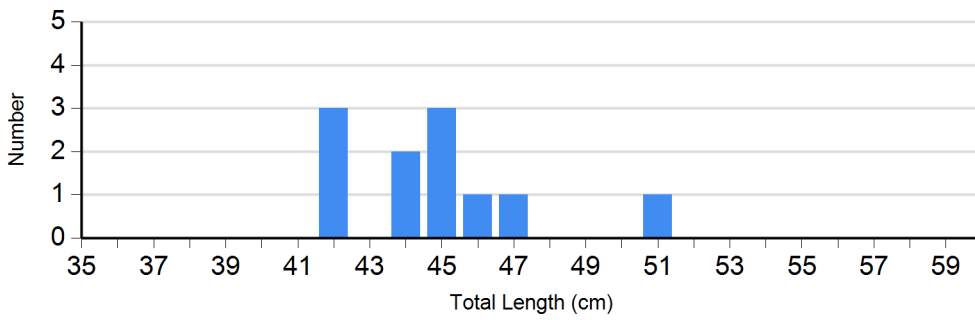


2021



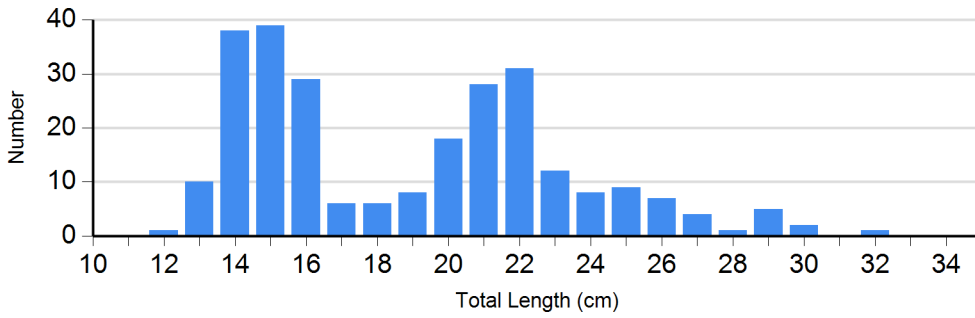
Species: White Sucker
 Gear: AFS std gill net



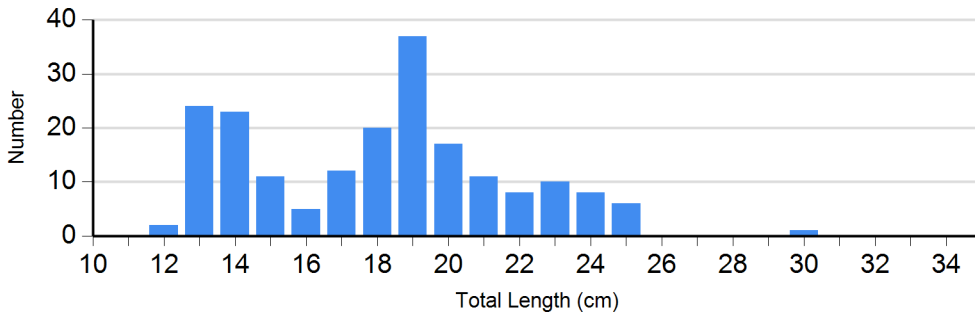


2022

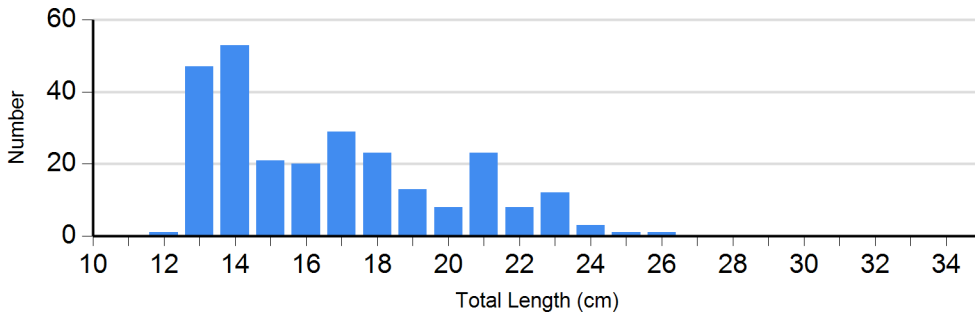
Species: Yellow Perch
Gear: AFS std gill net



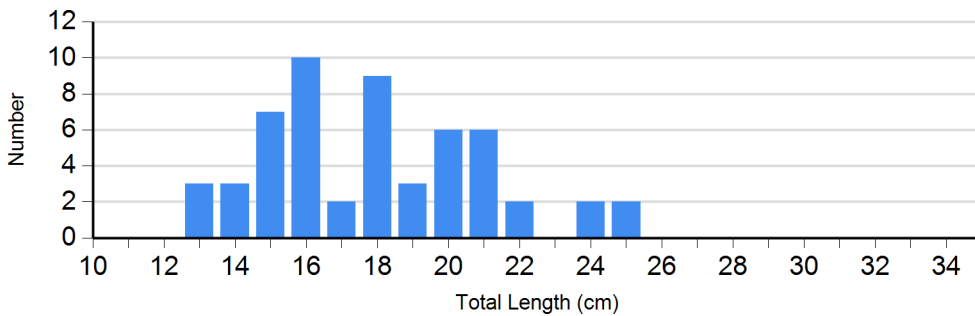
2018



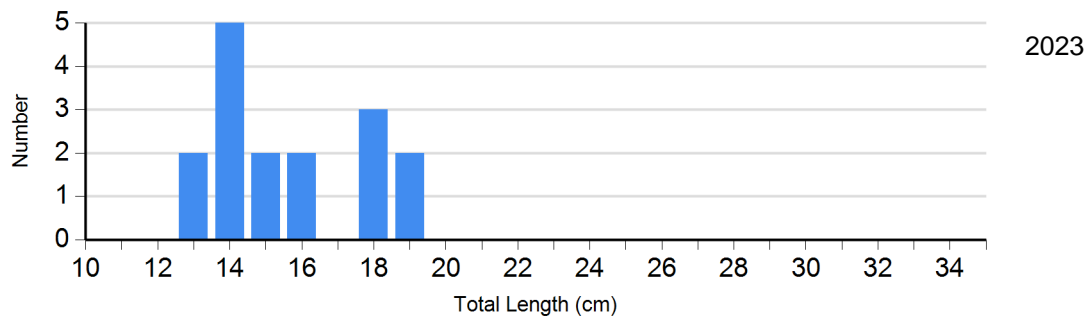
2019



2020



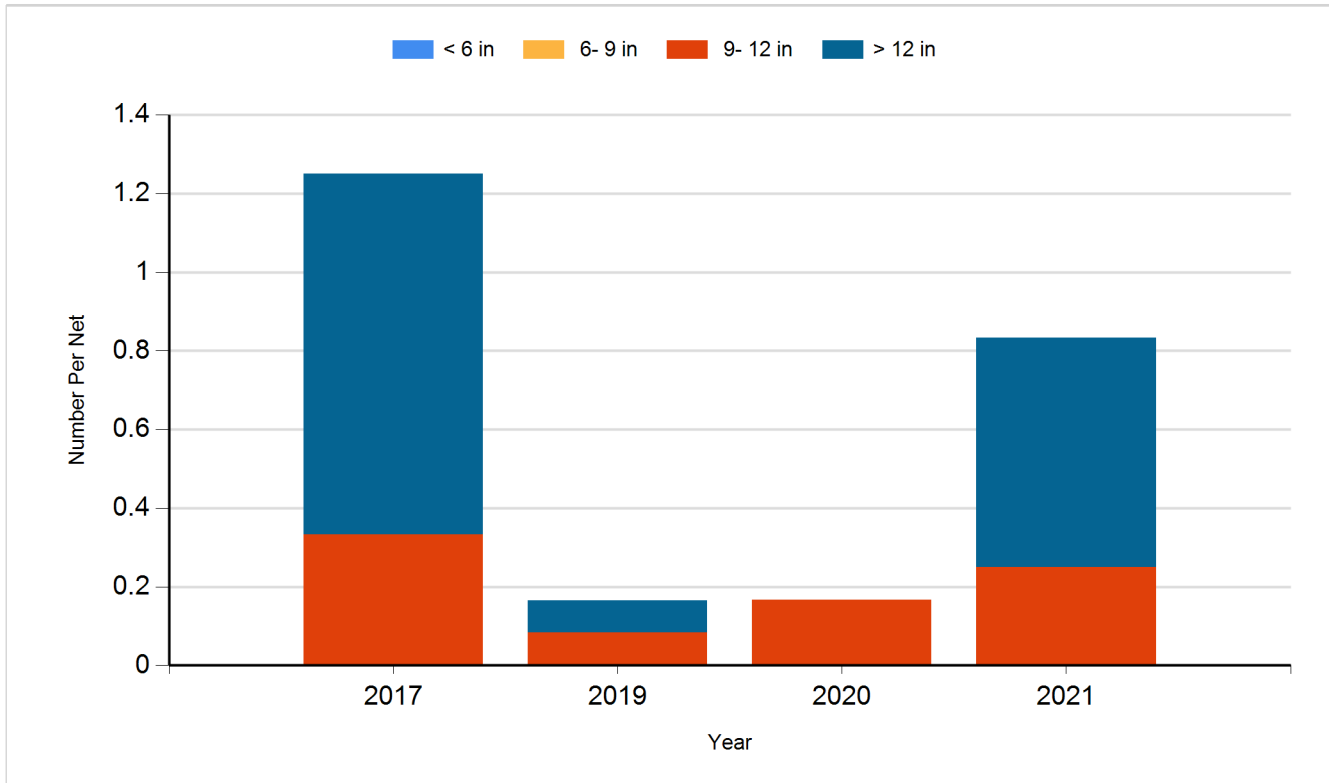
2021



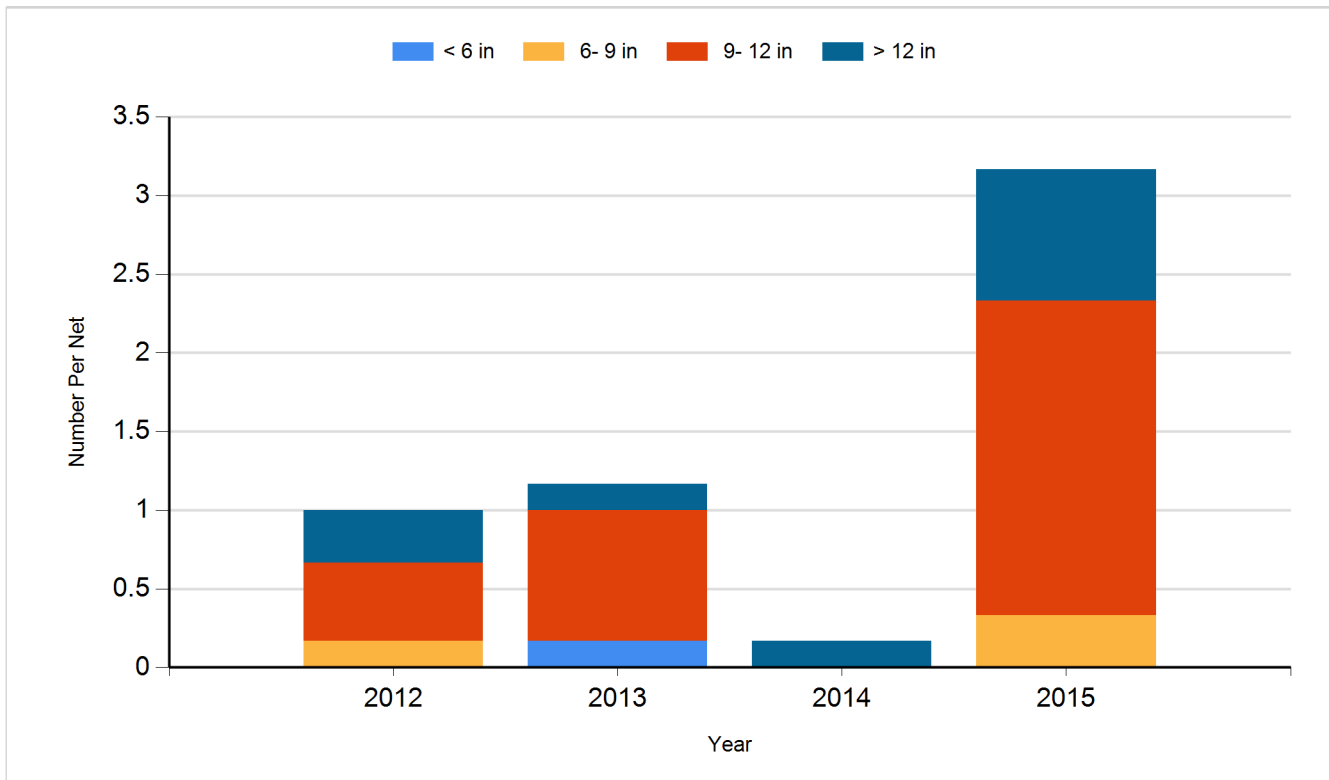
Historic Fish Sizes and Relative Abundance

Size distribution per net by color for species sampled by year.

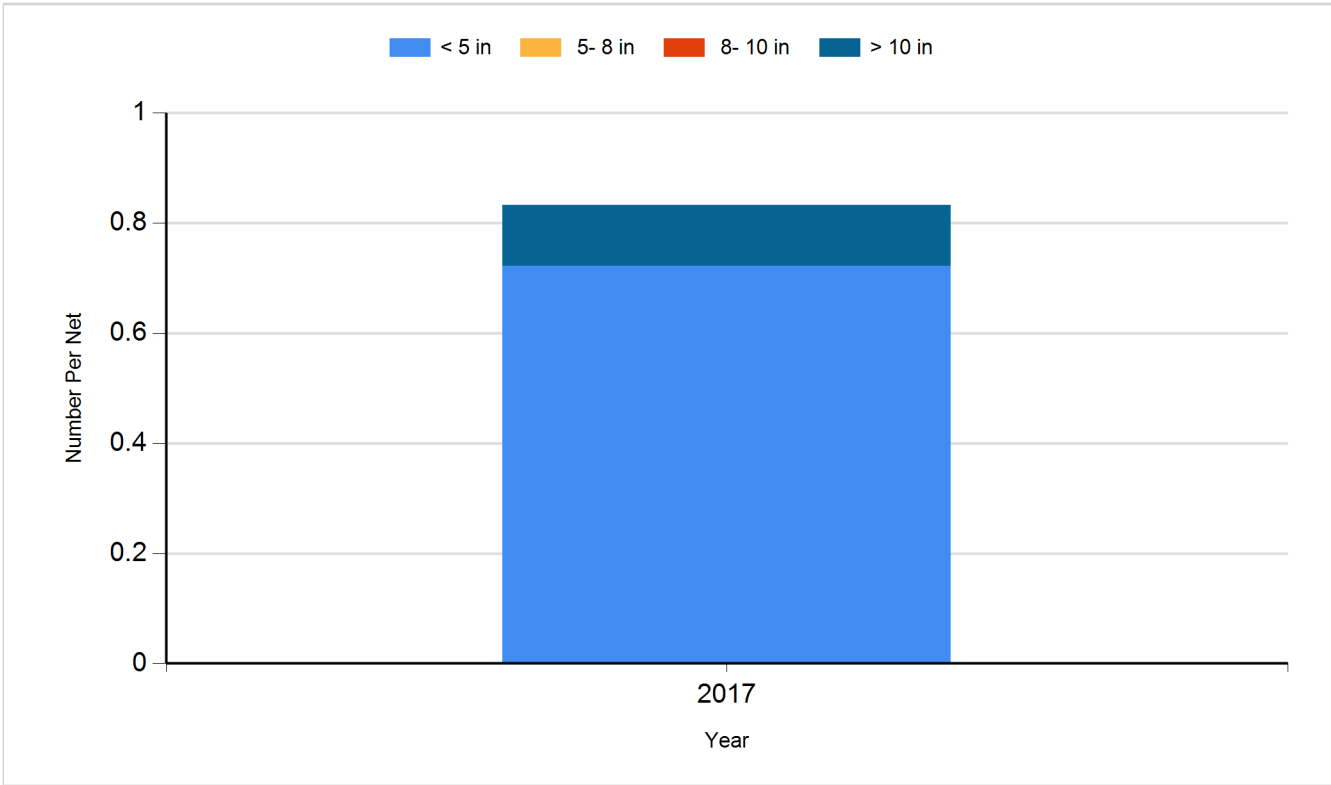
Species: Black Bullhead
Gear: AFS std gill net



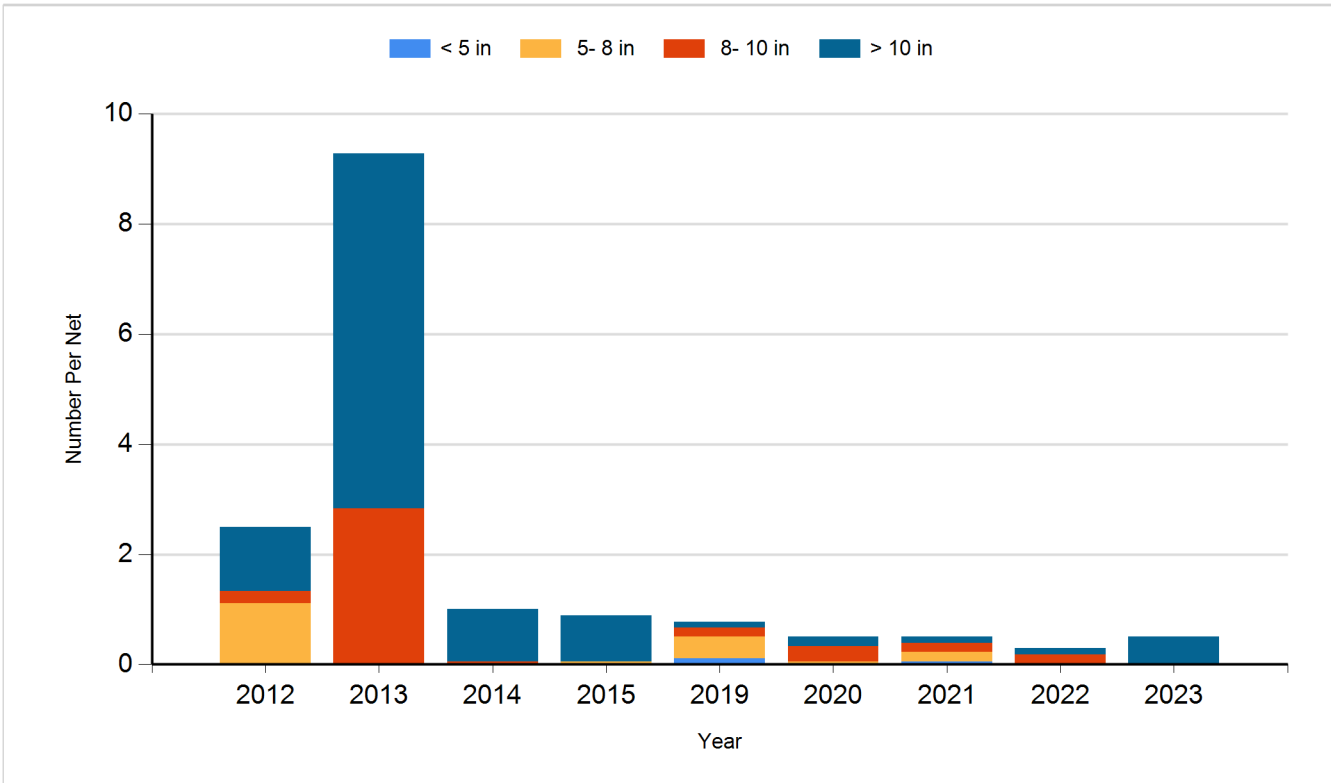
Species: Black Bullhead
Gear: std exp gill net



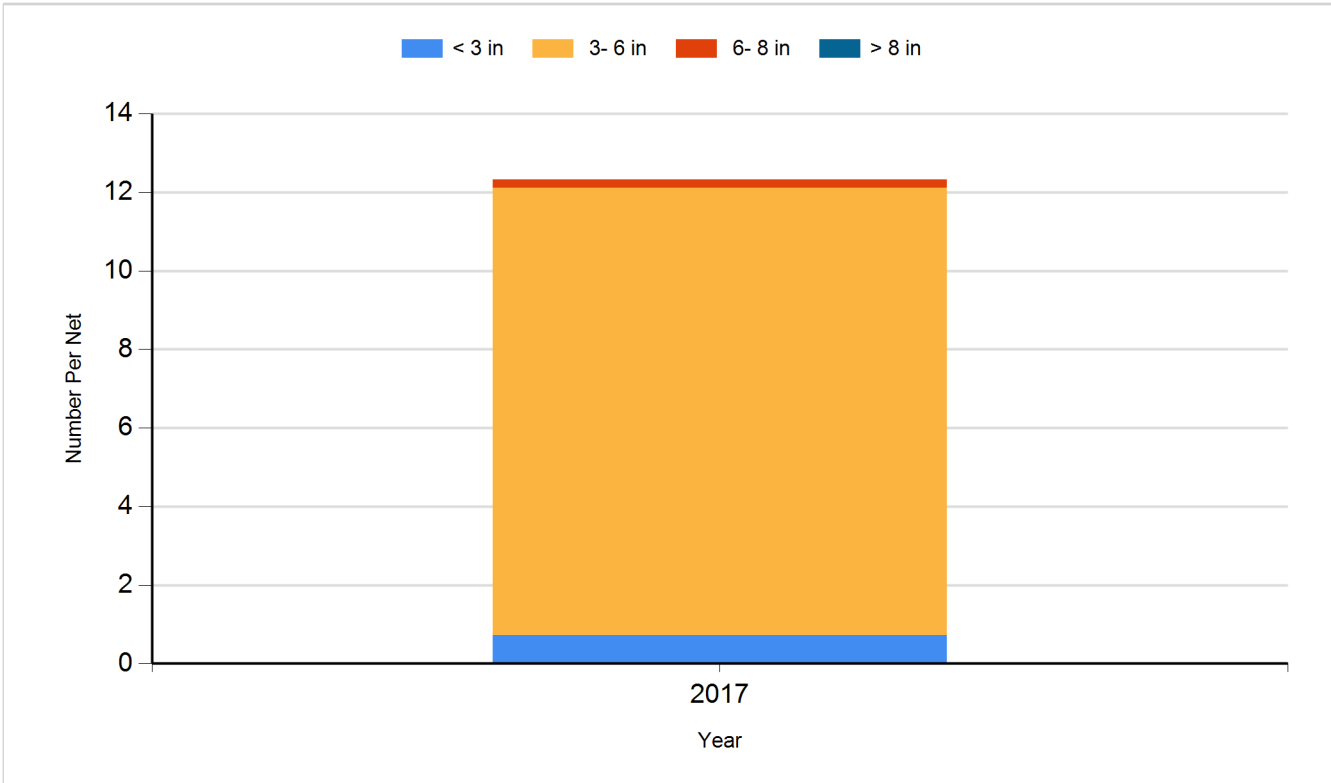
Species: Black Crappie
Gear: AFS std frame net



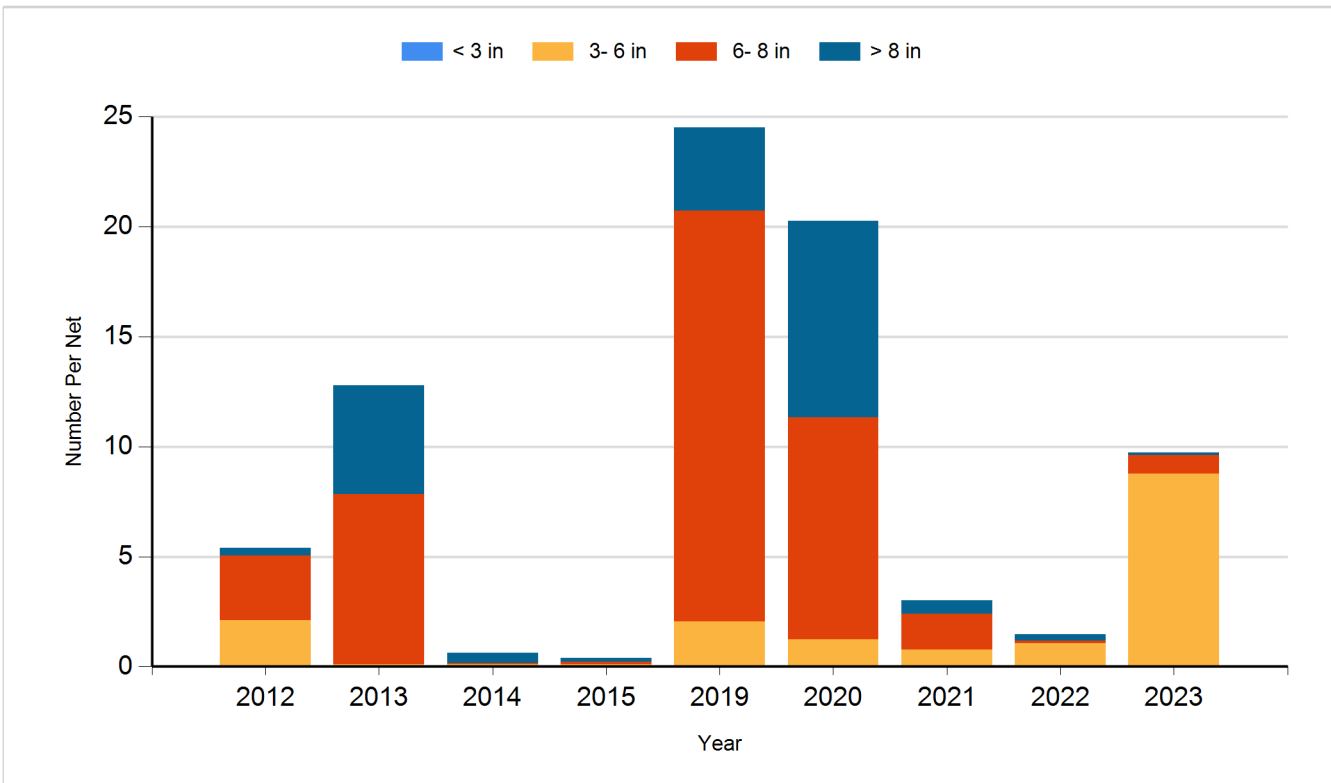
Species: Black Crappie
Gear: frame net (std 3/4 in)



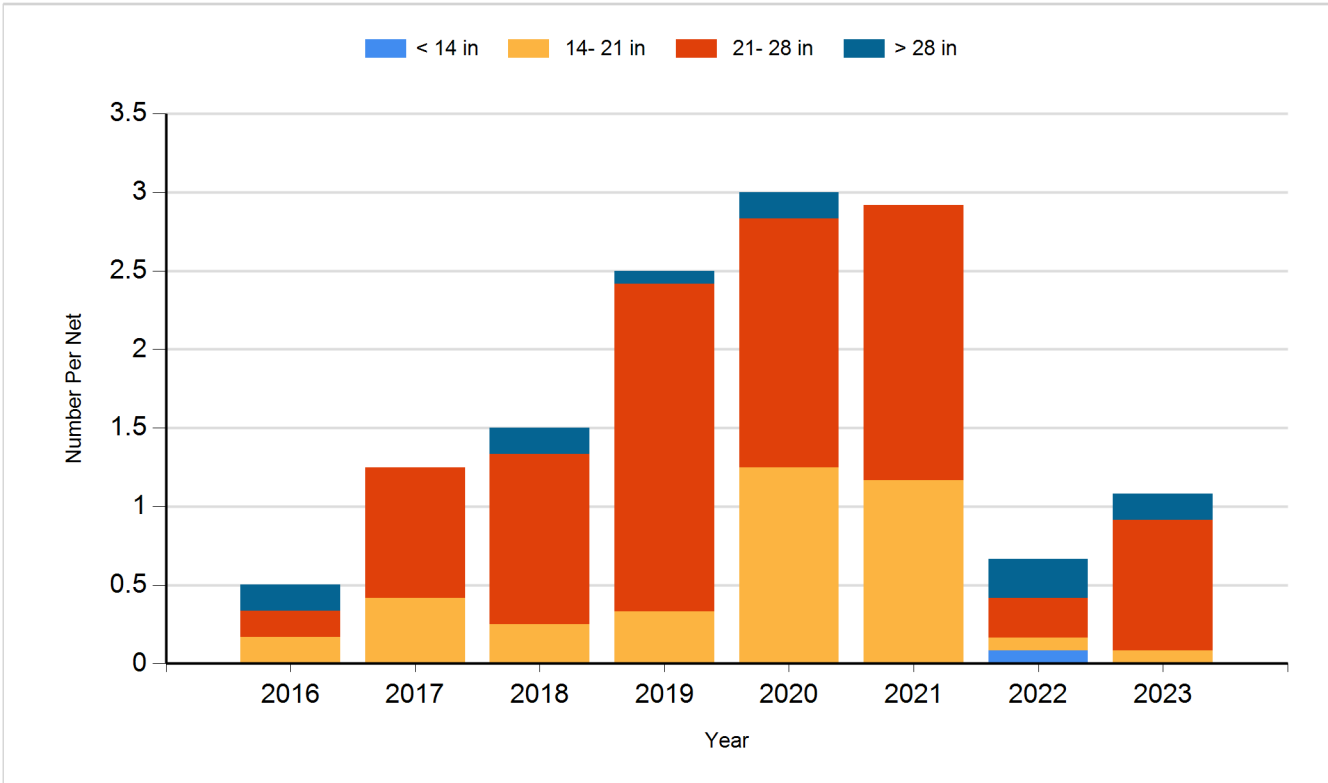
Species: Bluegill
Gear: AFS std frame net



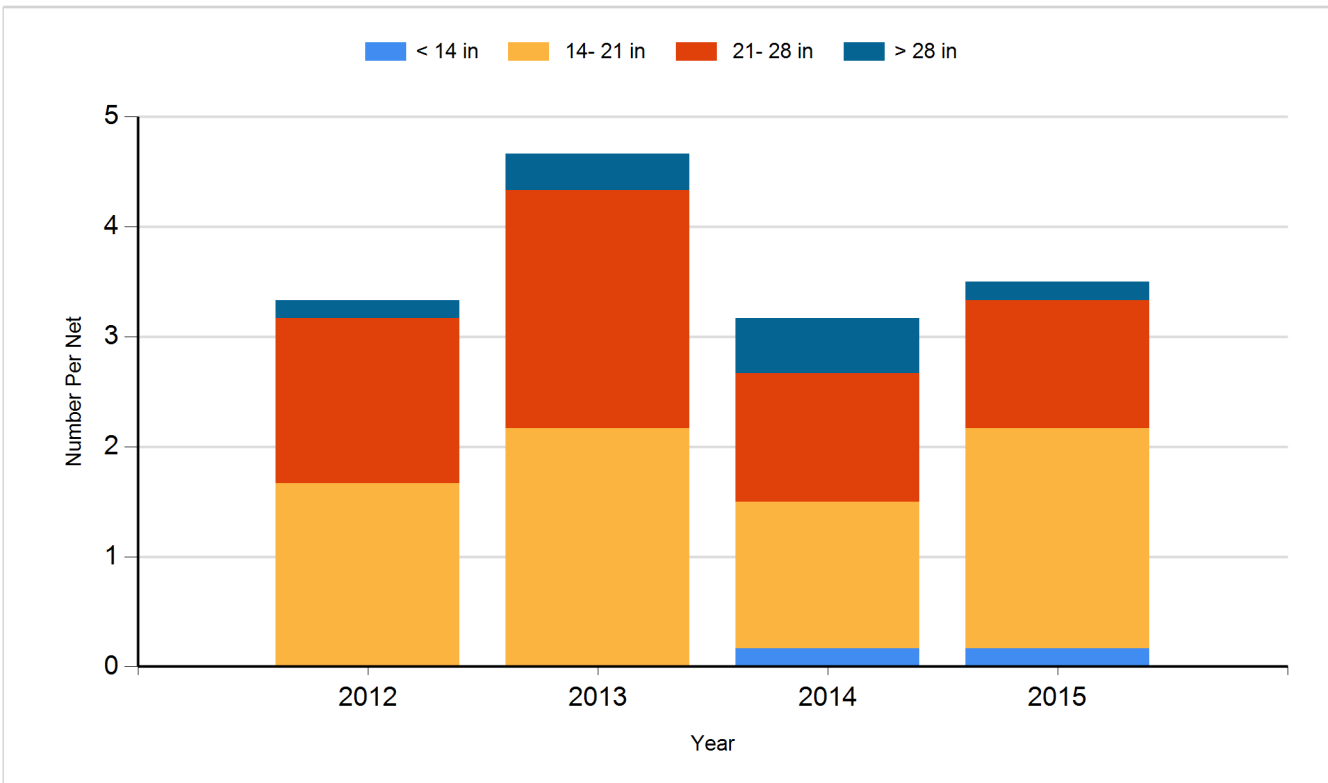
Species: Bluegill
Gear: frame net (std 3/4 in)



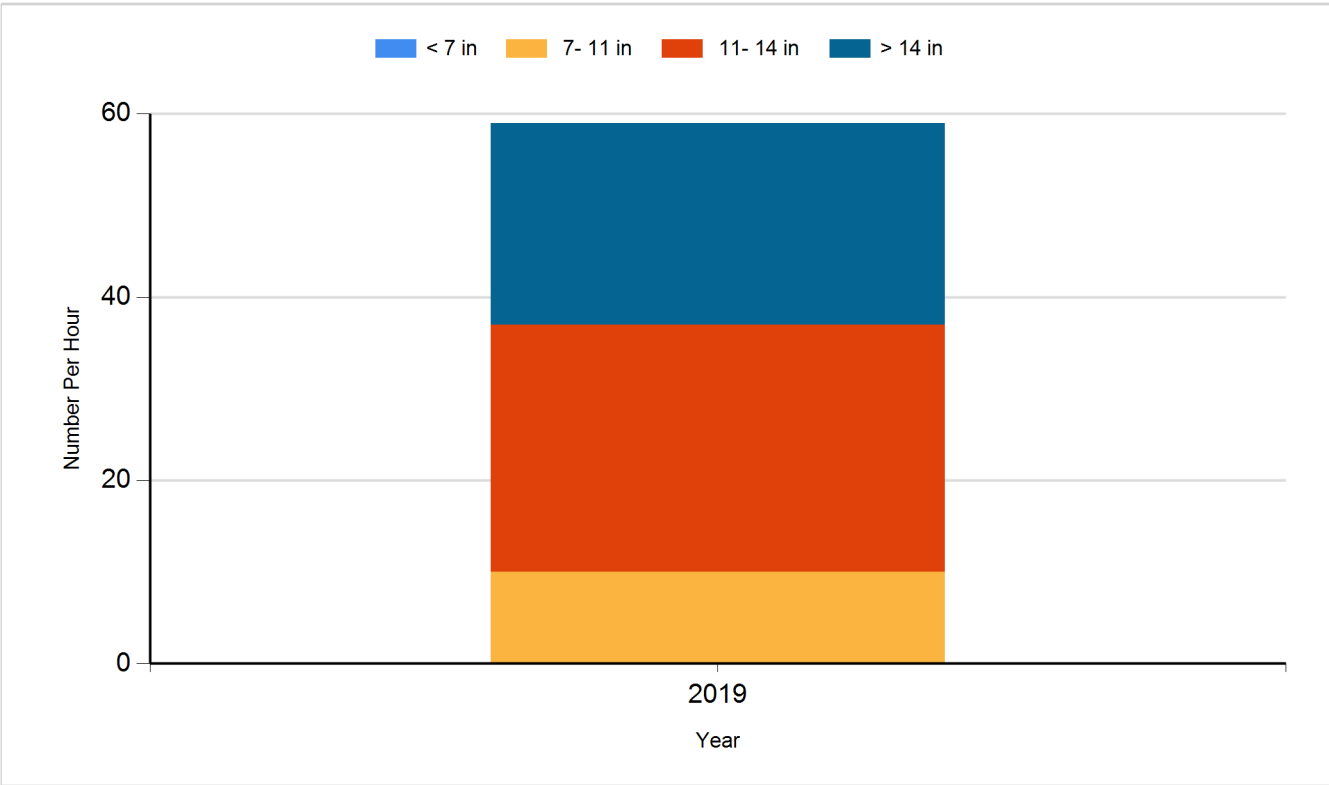
Species: Northern Pike
Gear: AFS std gill net



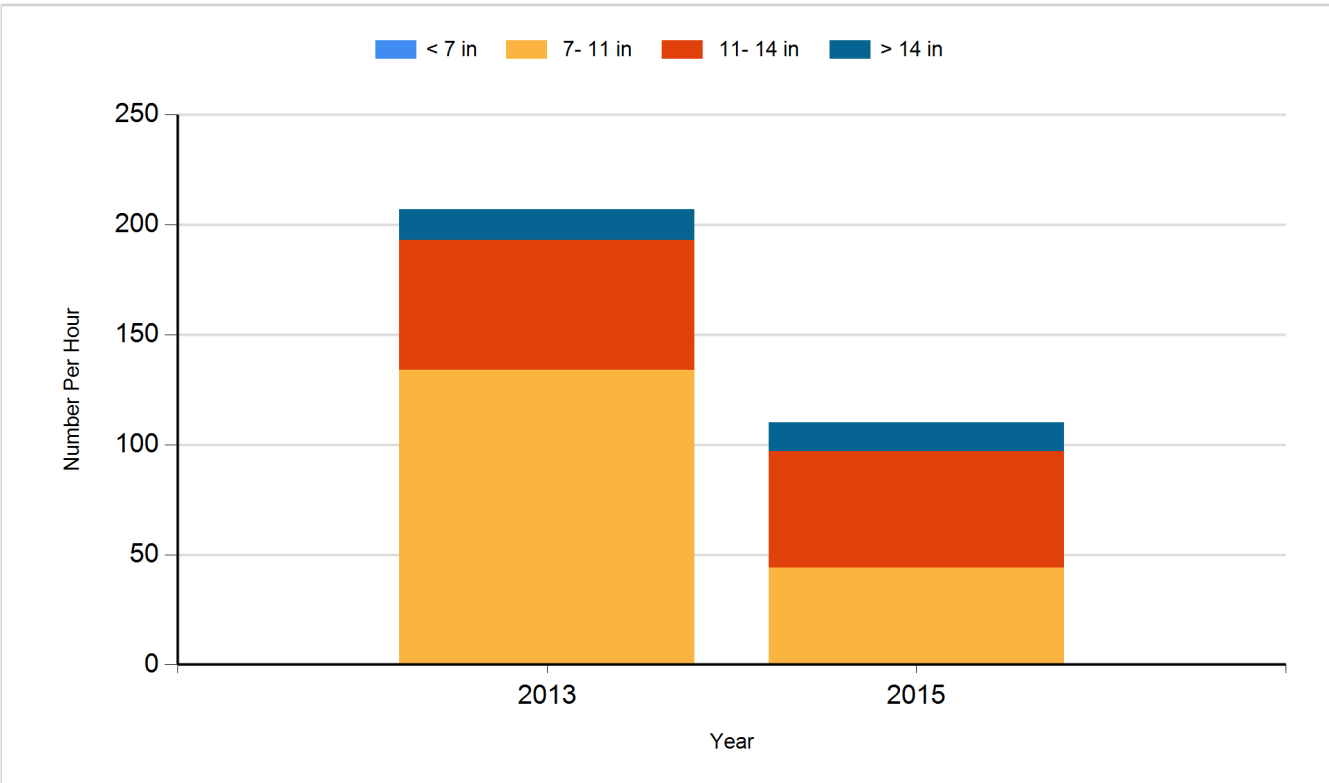
Species: Northern Pike
Gear: std exp gill net



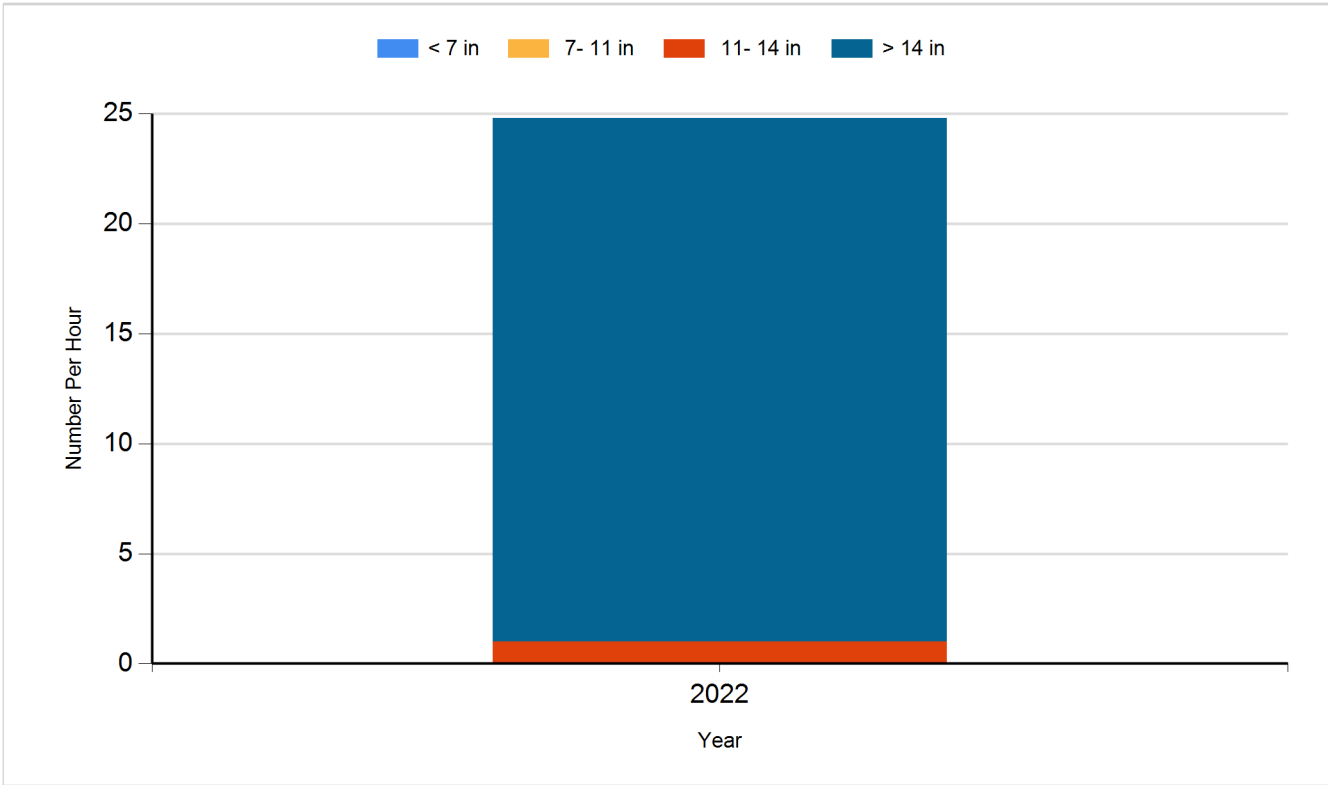
Species: Smallmouth Bass
Gear: boat shocker (day)



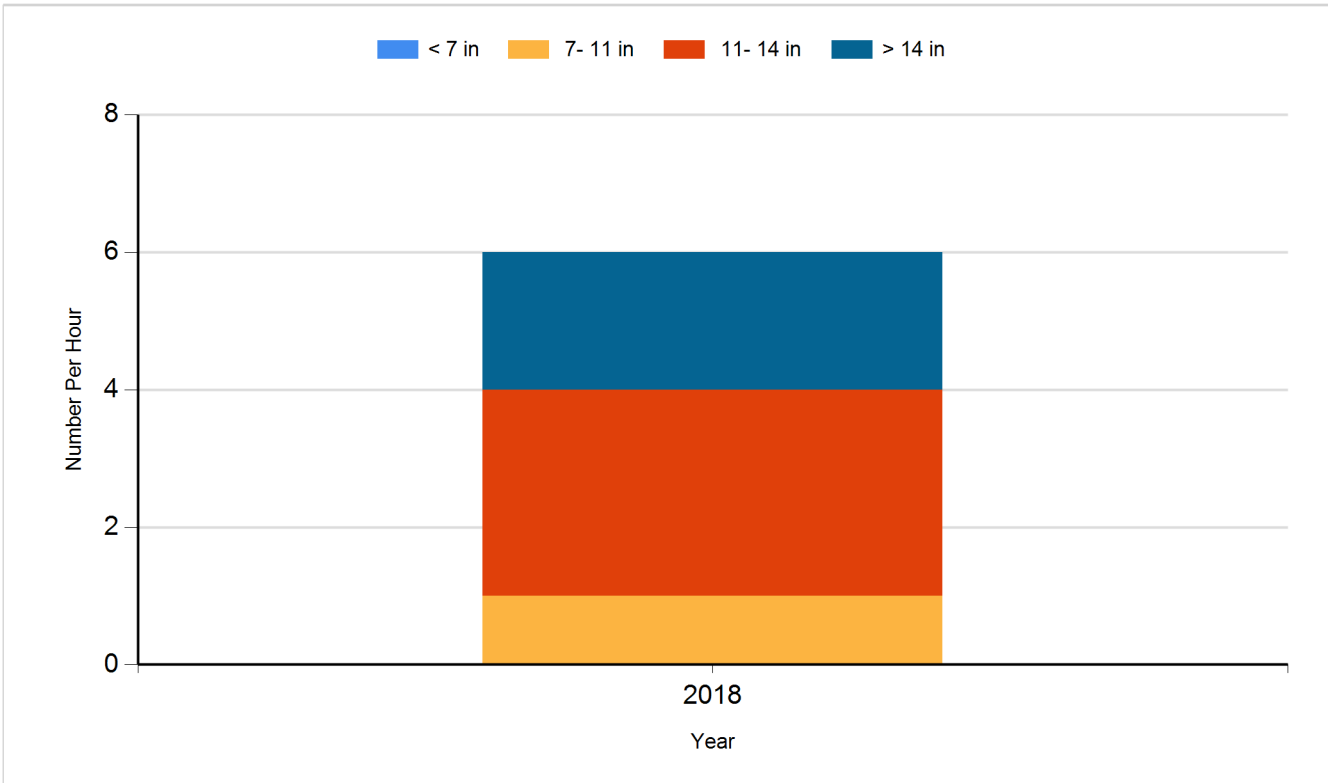
Species: Smallmouth Bass
Gear: boat shocker (night, DC)



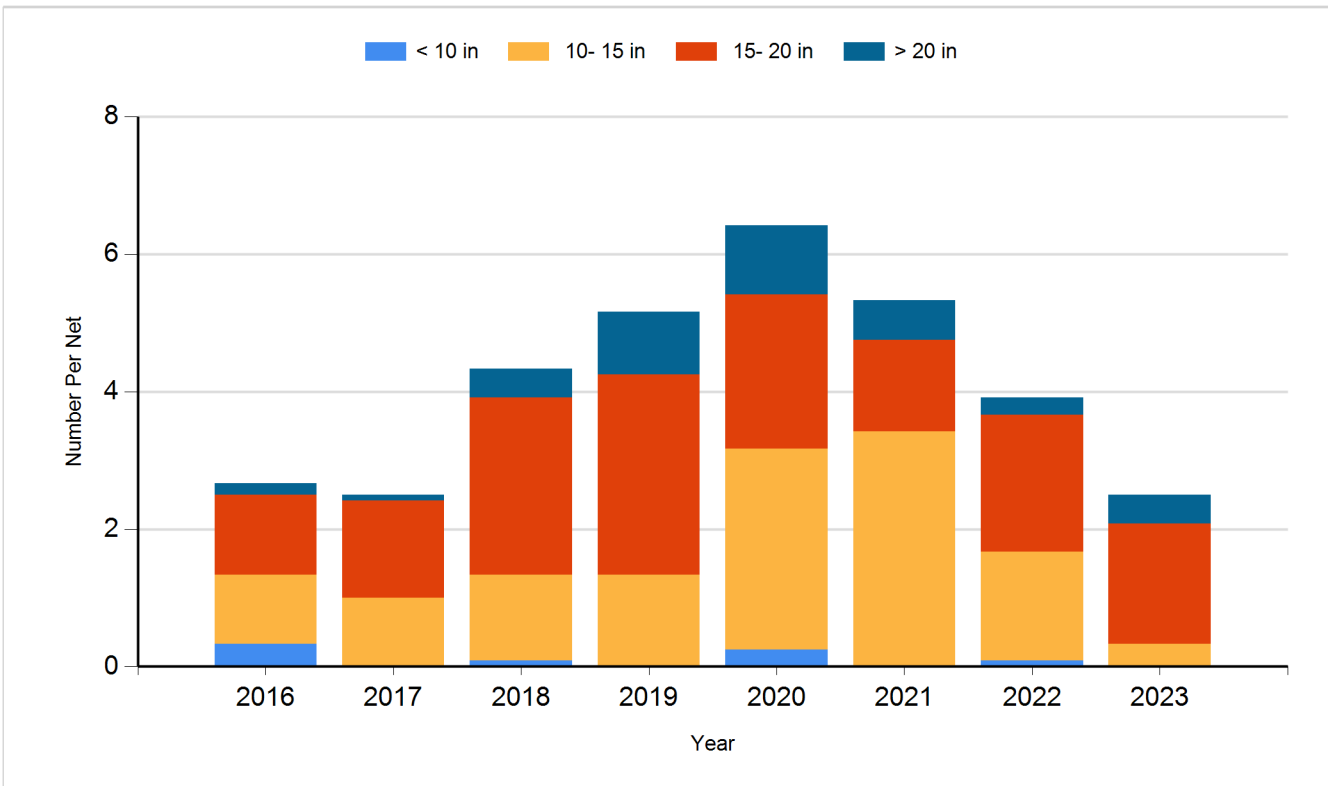
Species: Smallmouth Bass
Gear: spring day EF



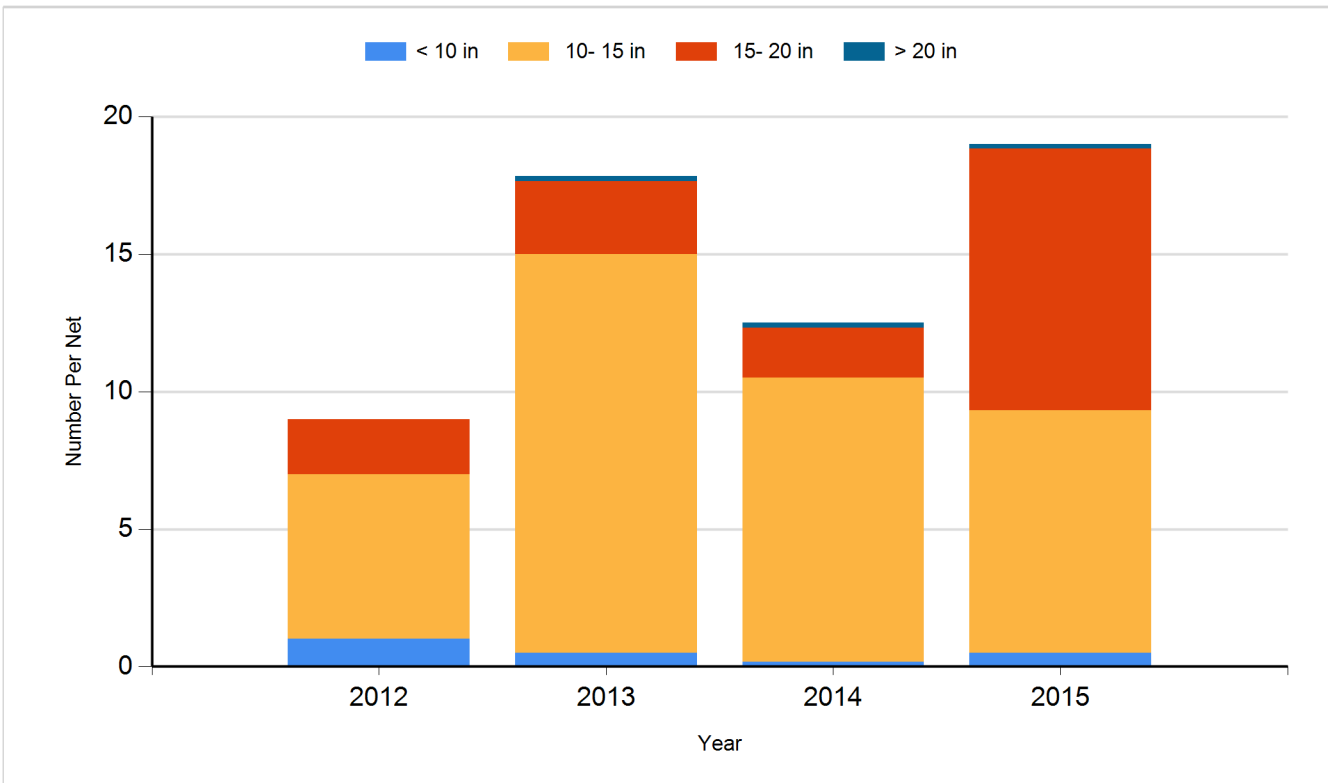
Species: Smallmouth Bass
Gear: spring night EF-SMB



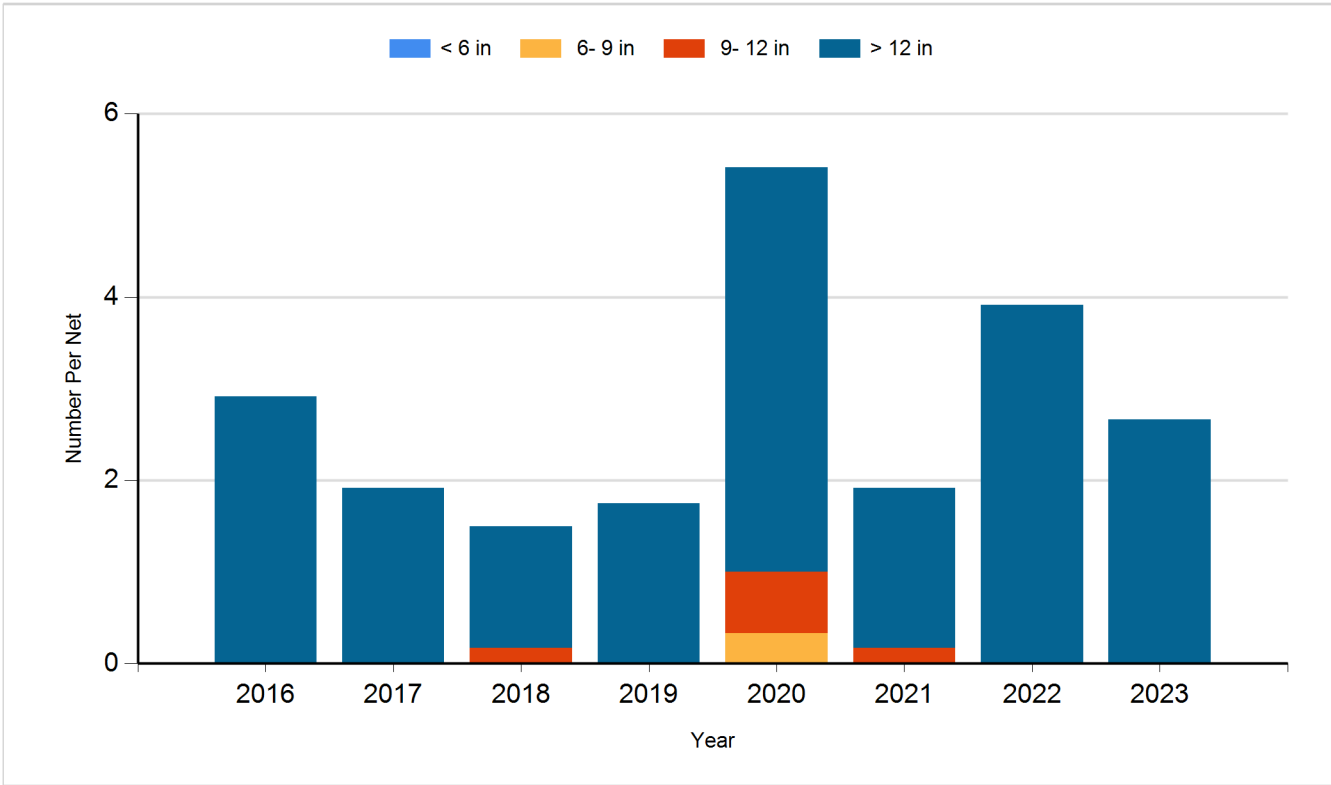
Species: Walleye
Gear: AFS std gill net



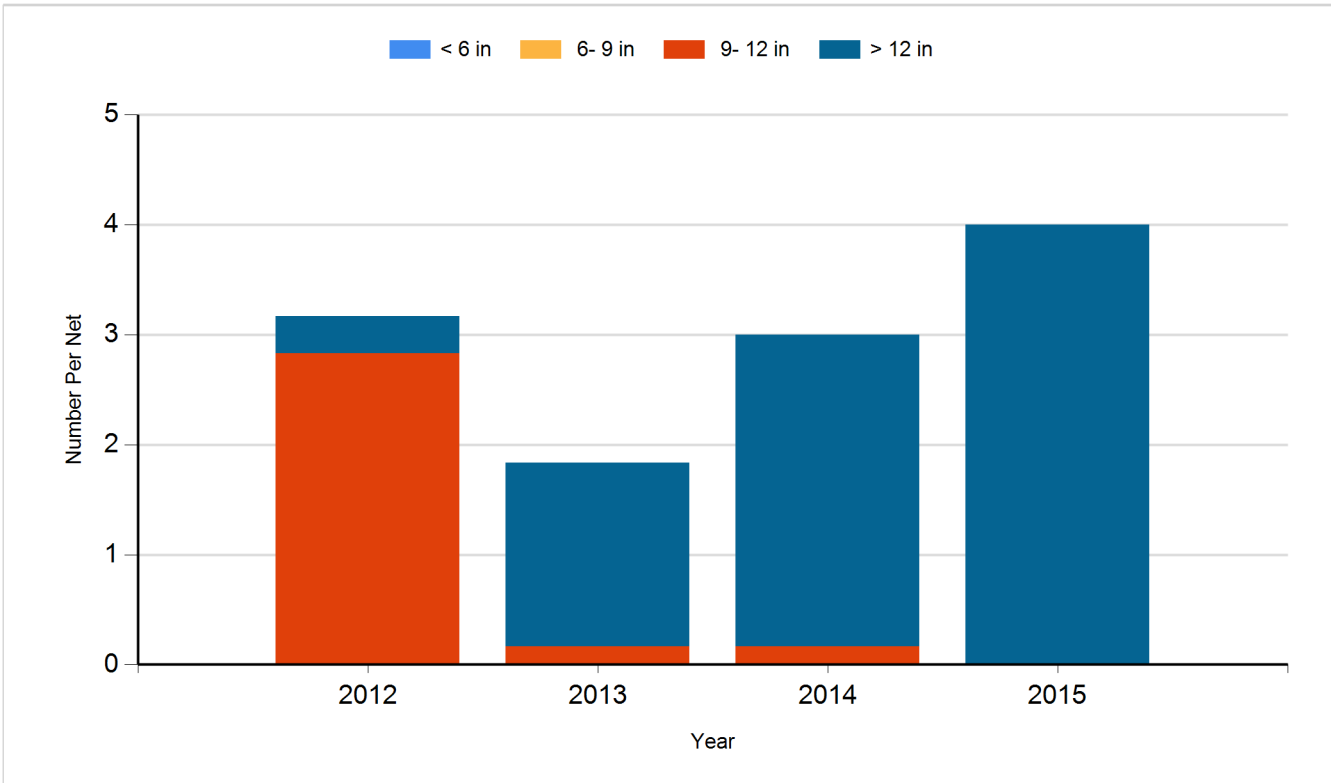
Species: Walleye
Gear: std exp gill net



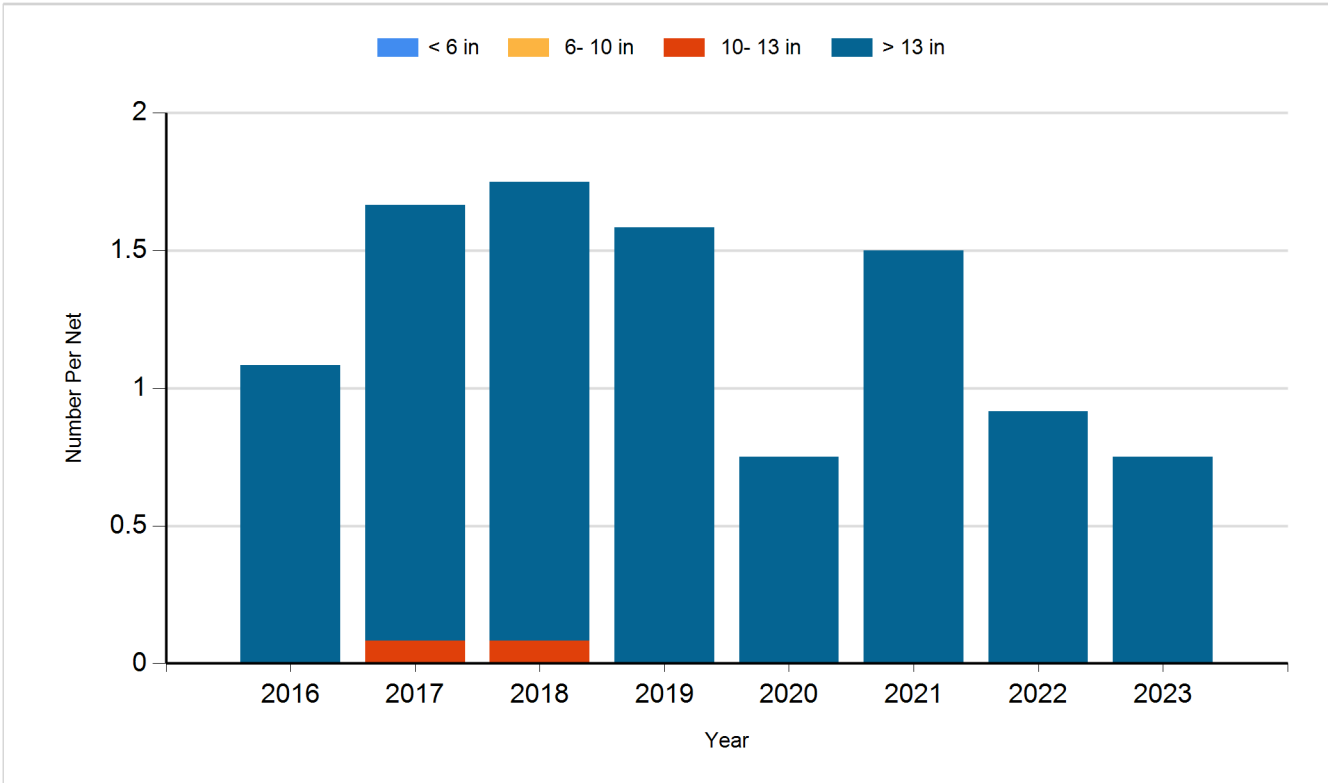
Species: White Bass
Gear: AFS std gill net



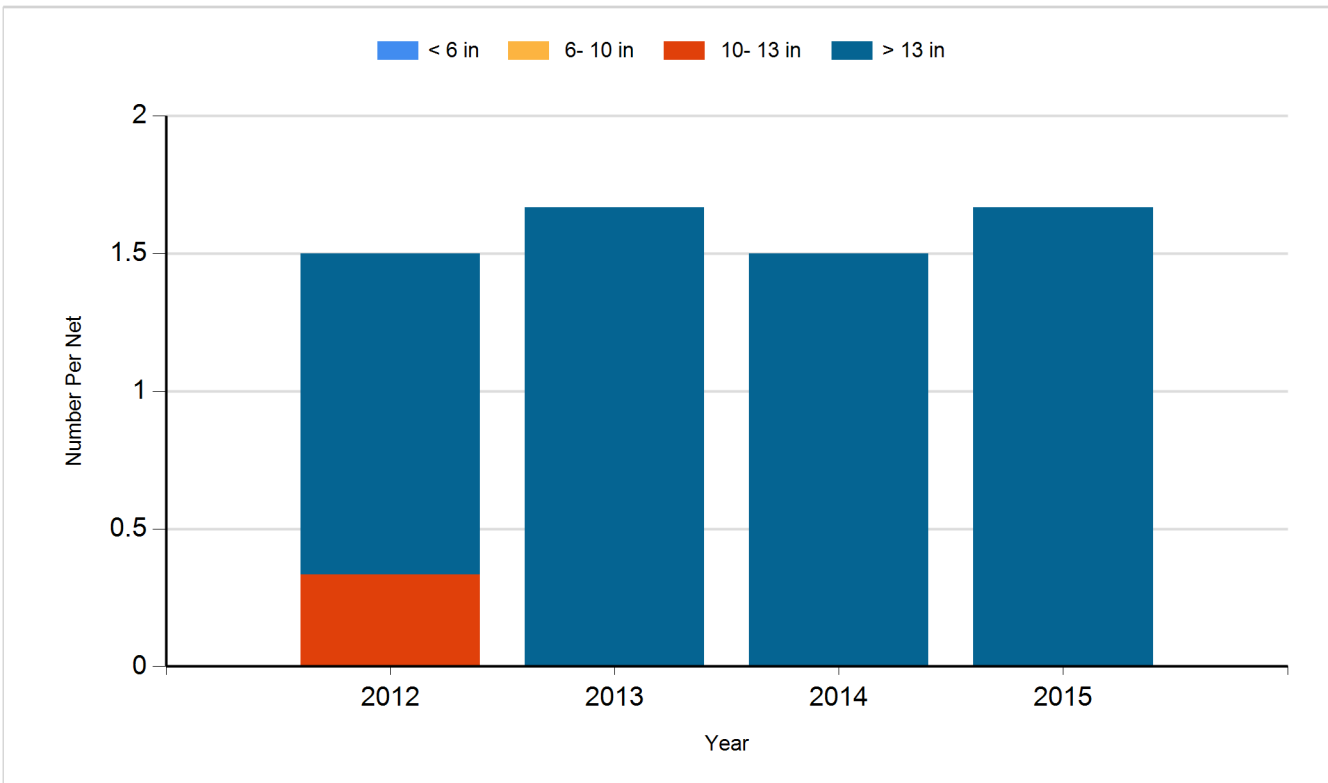
Species: White Bass
Gear: std exp gill net



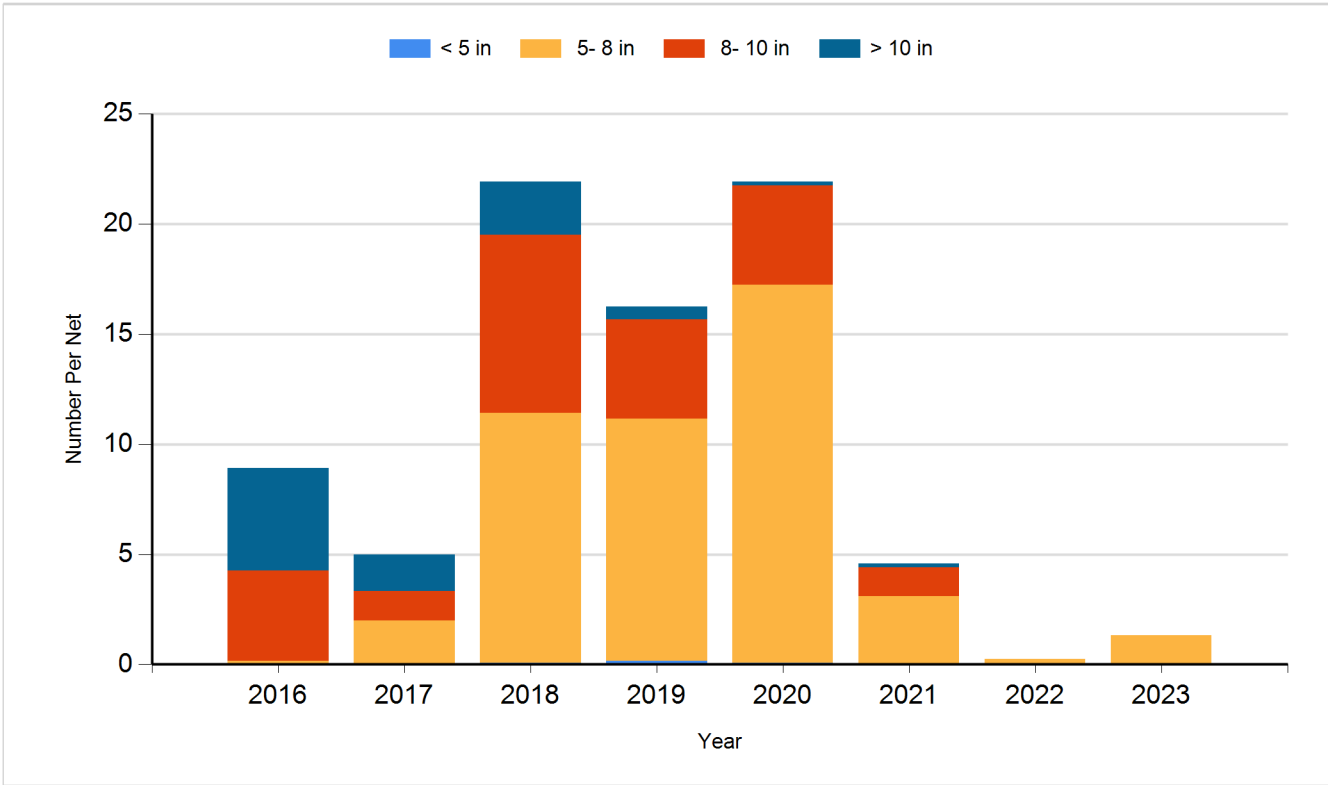
Species: White Sucker
Gear: AFS std gill net



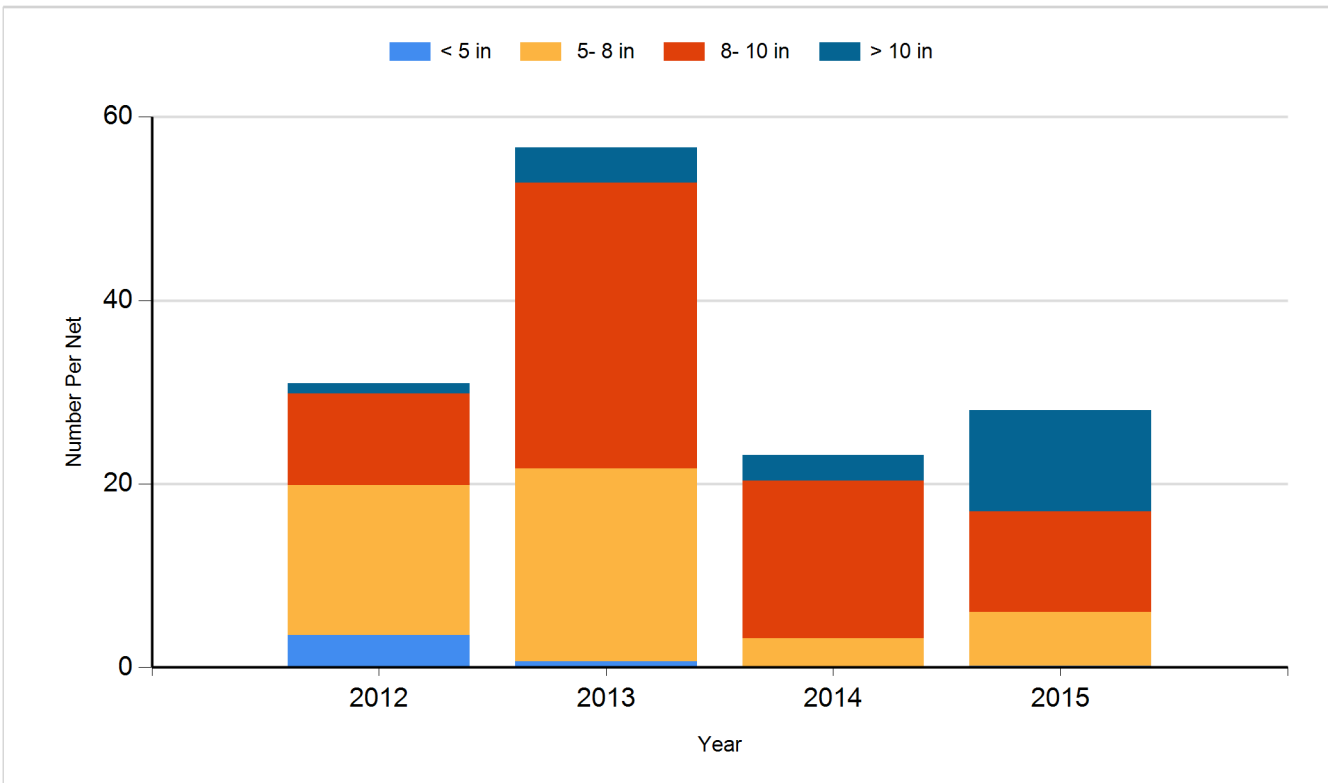
Species: White Sucker
Gear: std exp gill net



Species: Yellow Perch
Gear: AFS std gill net



Species: Yellow Perch
Gear: std exp gill net



Fish Stocking

Number of fish stocked by year, species, and size.

Year	Species	Size	Number
2013	Walleye	Small Fingerling	93,410
2015	Walleye	Small Fingerling	91,850
2017	Walleye	Small Fingerling	71,130
2018	Walleye	Fry	470,000
2021	Walleye	Fry	500,000
2022	Walleye	Juvenile	91,000
2023	Walleye	Fry	500,000